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## **Screening of diseases in wild exotic birds on Tahiti Island; implications for French Polynesian conservation**

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**SUPPLEMENTARY MATERIAL**

**Table 1: diseases previously detected in French Polynesia (Tahiti) and according present knowledges, potential threat for Polynesian endemic birds (Antras 2000; 2007).**

Name	Pathogen	Possible threat for endemic birds
Newcastle disease (lentogenic strain)	Paramyxovirus	yes
Avian encephalomyelitis	Picornavirus	no
Infectious bronchitis	Coronavirus	no
Infectious laryngotracheitis	Herpes virus	no
Infectious bursal disease	Avirula virus	no
Avian metapneumovirus	Pneumovirus	yes
Marek disease	Herpes virus	no
Bird pox	Poxirus	yes
Avian Mycoplasmoses	Mycoplasma gallisepticum M. synoviae	yes
Pasteurellosis	Pasteurella multocida	yes
Salmonellosis	Salmonella typhimurium S. enteritidis)	yes

**Table 2: diseases never reported in French Polynesia before this survey and their potential threat for endemic birds (Antras 2000; 2007).**

Name	Pathogen	Possible threat for endemic birds
West Nile virus	Flavivirus	yes
Columbid herpesvirus 1	Herpes virus	yes
Avian adenovirus	Adenovirus	yes but specific
Avian polyomavirus	Papovavirus	yes
Avian tuberculosis	Mycobacterium avium M. tuberculosis	yes
Avian chlamydiosis	Chlamydo-phyla psittaci	yes

**Table 3: localities and a number of individuals infected; ZD = Zebra Dove, RD = Rock Dove, RVB = Red-Vented Bulbul, CM = Common Myna.**

Locality	Site no	Salmonella	C. psittacii	Other Chlamydia	E coli	Plasmodium relictum	Haemoproteus
Paea and Punaauia districts	1	0/1* (CM) 0/1*(RVB) 0/1* (RD) 0/1*(ZD)	0/10 (CM) 0/10 (RVB) <b>1/10 (RD)</b> 0/10 (ZD)	0/10 (CM) <b>2/10 (RVB)</b> 0/10 (RD) 0/10 (ZD)	0/10 (CM) 0/10 (RVB) 0/10 (RD) 0/10 (ZD)	0/10 (CM) 0/10 (RVB) 0/10 (RD) 0/10 (ZD)	0/10 (CM) <b>1/10 (RVB)</b> <b>10/10 (RD)</b> <b>0/10 (ZD)</b>
Faa'a district	2	0/1* (CM) 0/1* (RD)	0/10 (CM) 0/13 (RD)	0/10 (CM) <b>2/13 (RD)</b>	0/10 (CM) 0/10 (RD)	0/10 (CM) 0/9 (RD)	0/10 (CM) <b>9/9 (RD)</b>
Papara district	3	<b>1/1* (CM)</b> 0/1*(RVB) 0/1* (RD) 0/1*(ZD)	0/10 (CM) 0/10 (RVB) 0/10 (ZD)	<b>1/10 (CM)</b> <b>2/10 (RVB)</b> 0/10 (ZD)	0/10 (CM) 0/10 (RVB) 0/1* (RD) <b>1/10 (ZD)</b>	0/10 (CM) 0/10 (RVB) 0/10 (ZD)	<b>1/10 (CM)</b> <b>1/10 (RVB)</b> 0/10 (ZD)
Pa'ihoro	4	0/1* (CM) 0/1*(RVB) 0/3* (RD)	0/10 (CM) 0/11 (RVB) <b>5/30 (RD)</b>	0/10 (CM) <b>1/11 (RVB)</b> 0/30 (RD)	0/10 (CM) 0/10 (RVB) 0/30 (RD)	<b>1/10 (CM)</b> 0/10 (RVB) 0/30 (RD)	0/10 (CM) 0/10 (RVB) <b>30/30 (RD)</b>
Plateau district (Taravao)	5	0/1* (CM) 0/1*(RVB)	0/10 (CM) 0/10 (RVB)	0/10 (CM) 0/10 (RVB)	0/10 (CM) 0/10 (RVB)	<b>1/10 (CM)</b> 0/10 (RVB)	0/10 (CM) 0/10 (RVB)
Faane district	6	0/1* (CM) 0/1*(RVB) 0/3*(ZD)	0/10 (CM) 0/10 (RVB) 0/22 (ZD)	0/10 (CM) 0/10 (RVB) <b>1/22 (ZD)</b>	0/10 (CM) 0/10 (RVB) 0/20 (ZD)	<b>2/9 (CM)</b> 0/10 (RVB) 0/27 (ZD)	0/9 (CM) 0/10 (RVB) 0/27 (ZD)
<b>Total</b>		1/21*	6/206	9/206	1/210	4/205	52/205

\* pools of 10 fresh intestinal contents

1 on CM, Papara District

*C. psittacii* : 6 on RD; *C. avium* : 1 on RD ; *C. gallinacea*: 4 on RVB, 1 on CM; 4 not typable strains found  
CCF2H032: 1 RVB; HAECOL(-1): 51 : 1 RVB, 1 CM, 49 RD