



COUNTRY REPORTS FOR AVIAN PARAMYXOVIRUSES 2008

Based on responses to the questionnaire received by 15/05/2009

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Laboratories responding to questionnaire

Austria	Greece x 2	Portugal
Belgium	Hungary	Romania
Bulgaria	Ireland	Slovakia
Croatia	Italy	Slovenia
Cyprus	Latvia	Spain
Czech Rep.	Luxembourg	Sweden
Denmark	Malta	Switzerland
Estonia	Netherlands	Turkey
Finland	Norway	UK GB
France	Poland	UK N. Ireland
Germany		

Virus isolation attempts in eggs 2008 for APMVs **TISSUES**

Bird	Number	No. countries
chickens	542	15
turkeys	81	6
ducks & geese	111	9
game birds etc	109	5
pigeons	698	13
cage, zoo & Q	20	4
TOTAL	1561	

Virus isolation attempts in eggs 2008 for APMVs **SWABS**

Bird	Number	No. countries
chickens	10,045	8
turkeys	217	7
ducks & geese	43	6
game birds etc	178	3
pigeons	172	4
cage, zoo & Q	22	4
TOTAL	10,677	

APMV-1 detection by RT-PCR 2008

TISSUES

Bird	Number	No. countries
chickens	326	13
turkeys	105	5
ducks & geese	8	2
game birds etc	46	6
pigeons	586	10
cage, zoo & Q	12	1
TOTAL	1083	

APMV-1 detection by RT-PCR 2008

SWABS

Bird	Number	No. countries
chickens	1576	7
turkeys	72	4
ducks & geese	344	5
game birds etc	44	3
ostriches	6	1
pigeons	34	4
cage, zoo & Q	30	3
TOTAL	2106	

Laboratories with no avian paramyxoviruses isolated or detected in poultry [9]

- Czech Republic
- Estonia
- Greece
- Hungary
- Norway
- Latvia
- Luxembourg
- Malta
- Poland

APMV-1 viruses isolated by country Austria 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Wild pigeon x2	1.25	RRQKRF	nd	nd	PPMV-1 x2
Wild pigeon x3	nd	RRQKRF	nd	nd	PPMV-1 x3
Wild duck	1.43	RQGRL	nd	nd	APMV-1

APMV-1 viruses isolated by country Belgium 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeon x1	nd	RRQKRF	p	nd	PPMV-1
pigeon x 5	nd	?	nd	nd	PPMV-1
Turkey	nd		P	nd	Lentogenic
Chicken	nd		P	Nd	Lentogenic

APMV-1 viruses isolated by country Bulgaria 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
chickens x 34	nd	RRQRRF	nd	5b	NDV

APMV-1 viruses isolated by country Croatia 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Feral Pigeon	nd	RRQKRF	nd	4b	PPMV-1
Wild ducks (mallard & teal) x3	Nd	GKQGRL	Nd	1	Lentogenic
Wild duck spp	nd	nd	nd	nd	APMV1

APMV-1 viruses isolated by country Cyprus 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeon	nd	RRQKRF	nd	4b	PPMV-1

APMV-1 viruses isolated by country Denmark 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeon x2	nd	RRQKRF	nd	4b	PPMV-1*

APMV-1 viruses isolated by country Eire 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeon x1	nd	nd	nd	nd	PPMV-1*

APMV-1 viruses isolated by country Finland 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeon x21 Anas Crecca	Nd nd	RRQKRF ERQERL	Nd nd	4b	PPMV-1 Lentogenic

APMV-1 viruses isolated by country France 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeons x2	1.0 & nd	RRQKRF	nd	4b	PPMV-1 APMV-1
Duck (force feeding)	0.0	ERQERL	nd	6	Avirulent

APMV-1 viruses isolated by country Germany 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeons x16	0.9	RRQKRF	nd	4b	PPMV-1
Chicken x9	0.09-0.24	GRQGRL	nd	nd	Lentogenic*
Ostrich	0.0	GRQGRL	nd	2	Lentogenic*
Quail/pheasant	0.02	GRQGRL	nd	1	Lentogenic*
Feral duck	nd	ERQERL	nd	6	Lentogenic

APMV-1 viruses isolated by country Italy 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
Chicken x19	0.1	GKQGRL	1	lentogenic
Pigeon x2		RRQKRF	4b	PPMV-1
Domestic pigeon/dove x29	0.7 -1.7	Various	4b	PPMV-1
Mallard	0.1	GKQGRL	1	Lentogenic

APMV-1 viruses isolated by country Netherlands 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Pigeon x9	0.84-0.93	GRRQKRF	nd	4b	PPMV-1*

APMV-1 viruses isolated by country Portugal 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
Chicken		RRQKRF	?	NDV
Pigeon		RRQKRF	4b	PPMV-1
Chicken		GKQGRL		Lentogenic
Duck		GKQGRL		Lentogenic

APMV-1 viruses isolated by country Romania 2008

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Chickens x47	0-0.66	GRQGRL	nd	?	Lentogenic
Chicken x5	1.66-1,83	?	Nd	?	NDV
Parrot	1.69	?	nd		NDV

APMV-1 viruses isolated by country Slovak Republic 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
Turtle Dove	nd	RRQKRF	4b	PPMV-1

APMV-1 viruses isolated by country Slovenia 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
pigeons x 1	nd	RRQKRF	4b	PPMV-1

APMV-1 viruses isolated by country Spain 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
Columbiformes		RRQKRF	4b	PPMV-1
Turtle Dove		RRQKRF	4b	PPMV-1
Turtle Dove		RRQKRF	-	APMV-1 (C1)
Mallard		GKQGRL		Lentogenic

APMV-1 viruses isolated by country Sweden 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
Chicken (layers)	-	RRQRRF	5b	NDV

APMV-1 viruses isolated by country Switzerland 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
pigeons x 1	nd	nd	4b	PPMV-1

APMV-1 viruses isolated by country Turkey 2008

Bird	ICPI	F0 cleavage site	geno group	Conclusion
Backyard poultry x46	-	RRQRRF		NDV
Wild birds				Lentogenic

APMV-1 viruses isolated by country UK GB 2007

Bird	ICPI	F0 cleavage site	mAb	geno group	Conclusion
Turkey	nd	GKQGRL	nd	nd	Lentogenic
Pigeons/doves x54	nd	RRQKRF	nd	4b	PPMV1

Other APMVs isolated 2008

- Mallard- France APMV-4
- Teal – Italy - 1 x APMV-4
- Mallard – Slovenia- 1x APMV-6
- Feral duck NI-UK - APMV-4 x3

APMV-1 viruses reported 2007

SUMMARY

VELOGENIC APMV-1 viruses isolated from:

Type of bird	Number isolates	genotype	Number countries
Poultry	40 [0]	5b	2[0]
Backyard poultry	46	Nd	1
Poultry	1[1]	Nd	3[1]
Parrot	1	5b	1

[2007 figures]

PPMV-1 viruses reported 2008 SUMMARY

Type of bird	No isolates	No countries
pigeons and doves	157 (122) [128]	18 (14) [9]

(2007) [2006]

CONCLUSIONS

- Five countries reported outbreaks ND in 2008 compared to 5 in 2007.
- PPMV-1 in pigeons and doves remains a problem and a continuing threat to poultry.