



AVICULTURE : ACTUALITE PATHOLOGIQUE

Brice ROBINEAU



REOVIRUS

- Apparition de cas de tendinites en France et Belgique (+ Espagne) en 2011



Poulets Label 81 jour ; poids théorique= 2100 g









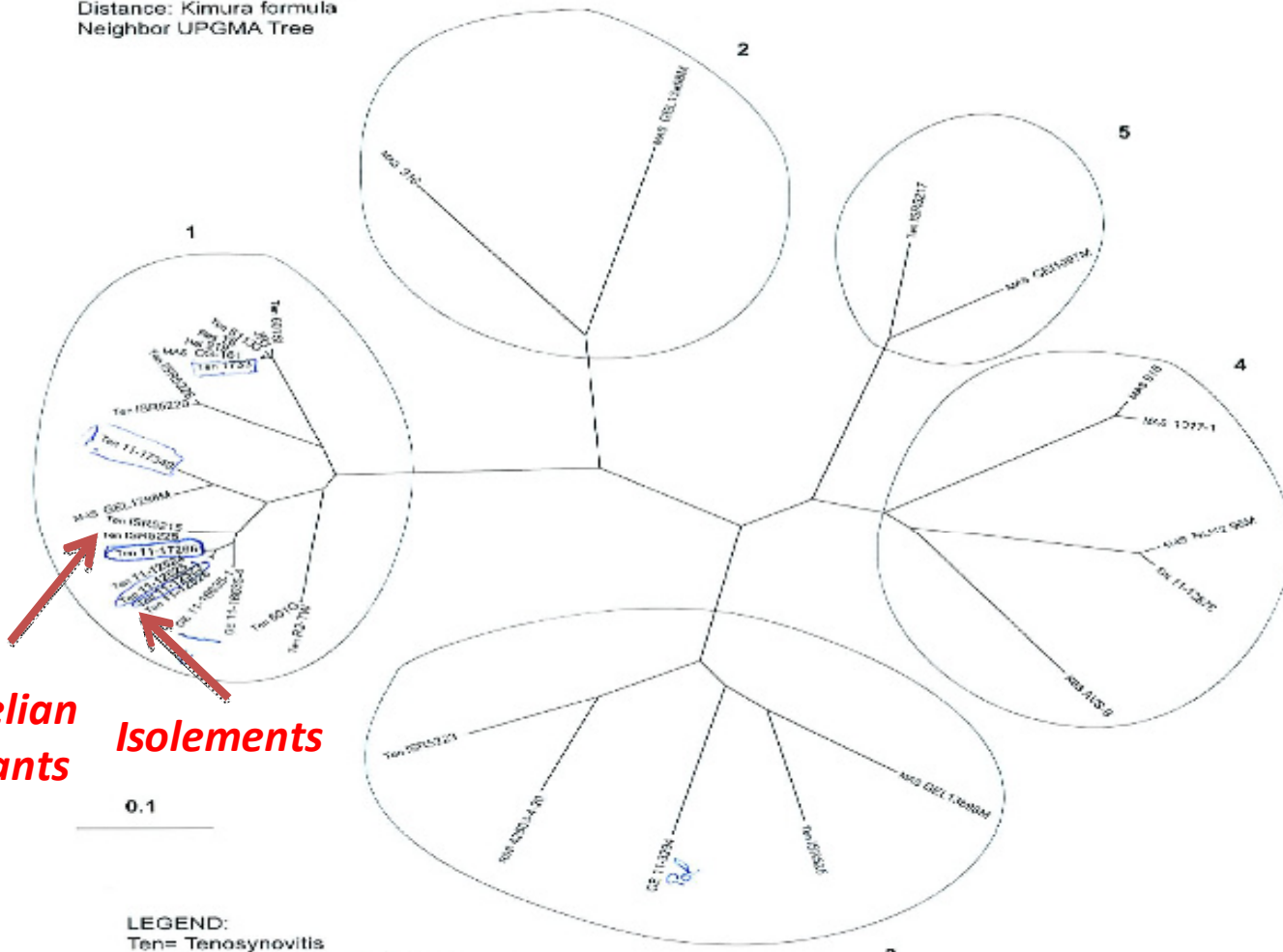
Isolément Virus – Michael HESS

Veterinary University Vienna

- 24 isoléments
- 6 couvoirs
- Reovirus dans les tendons

- Isoléments d'Adénovirus contaminants
- Séquençage des gènes codant pour la protéine sigma C

Sigma C protein (267 aa)
 Distance: Kimura formula
 Neighbor UPGMA Tree



Israeli variants
Isolements

0.1

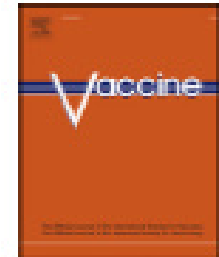
LEGEND:
 Ten= Tenosynovitis
 MAS= Malabsorption Syndrome
 RSS= Runting Stunting Syndrome
 GE= Gizzard Erosion
 Ent= Enteric
 Hel= Healthy
 Res= Respiratory



Contents lists available at SciVerse ScienceDirect

Vaccine

journal homepage: www.elsevier.com/locate/vaccine



Wide-range protection against avian reovirus conferred by vaccination with representatives of four defined genotypes

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SERONEUTRALISATION

- SPF adultes (50 semaines)
- 5 sujets non vaccinés
- 15 birds vaccinés 2 fois
 - Nobilis Reo
 - Nobilis ERS
 - Trireo Vaccine (Pfizer)
- Prélèvements sanguins

Prot.-No.: PA-12/03248 - Repro
PA-12/03249 – Bleu "B", REO ERS
PA-12/03250 – Vert "V", TRIREO
PA-12/03251 – Rose "R", REO INAC
PA-12/03252 – Sans Couleur, NV

Incoming-Date: 01.03.2012

Samples: 30 blood samples

Acceptance: Dr. Claudia Hess

SNT:
all samples negative

(Dr. Salome Troxler)



Conclusion

- Nouvelle souche de Réovirus présente en France
- Non décrite jusqu'à présent
- Proche variants israéliens
- Pas de protection par les vaccins disponibles



Bronchite Infectieuse

Pondeuses et repros



Isolements simples

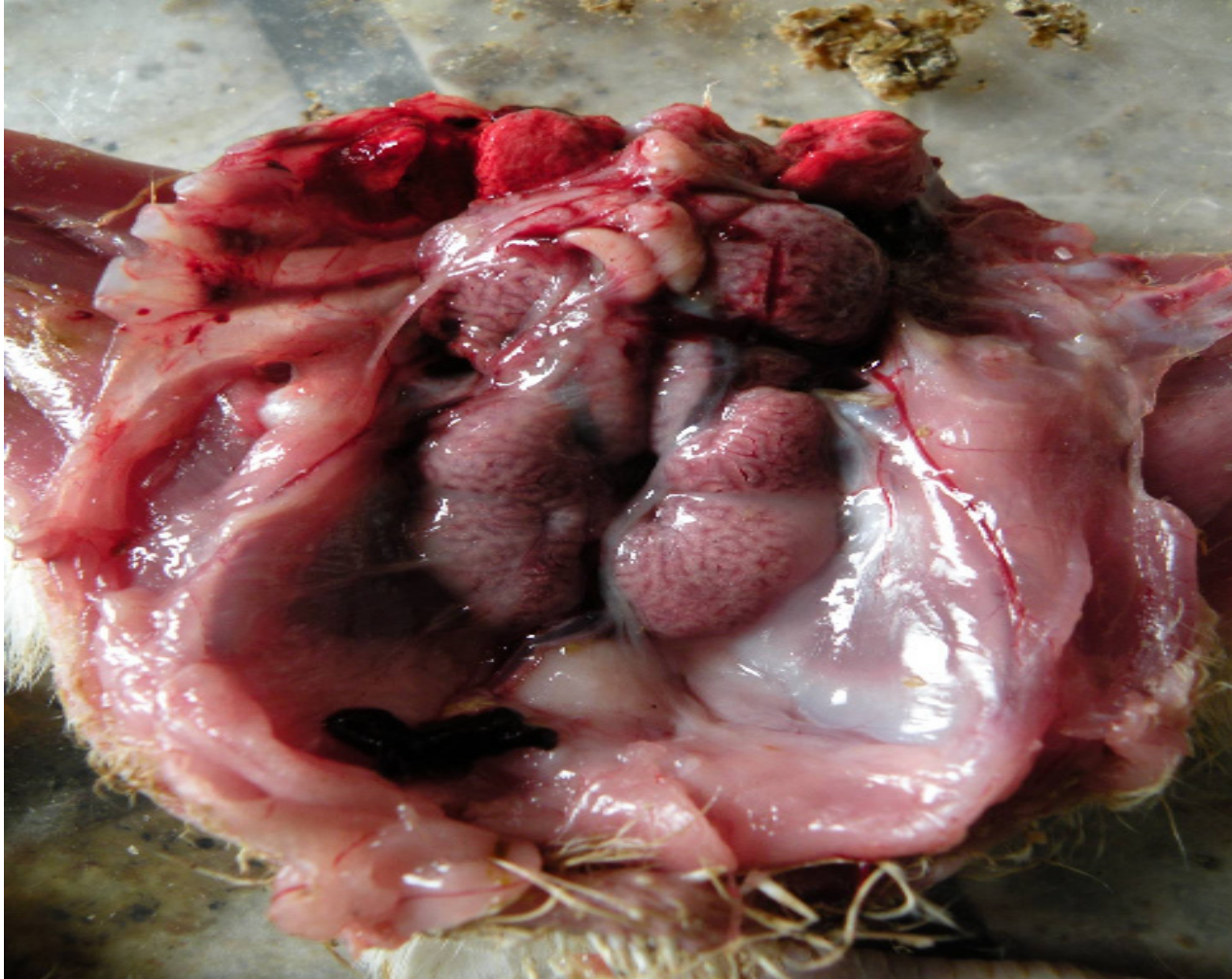
Year	D274	793B	793B	Mass	Mass	Qx	Qx
2006	0	11	46%	3	13%	2	8%
2007		16	52%	5	16%	2	6%
2008		17	49%	2	6%	4	11%
2009		21	39%	9	17%	2	4%
2010		6	55%	1	9%	1	9%
2011		58	44%	0		7	5%

Isollements multiples

Year	Mass + 793B	Mass+Qx	793B+Qx
2006	1		
2007	2	1	
2008			2
2009	3		1
2010	1		
		1	

Année	Total 793B		Total Mass		Total Qx	
2006	12	50%	4	17%	2	8%
2007	18	58%	8	26%	3	10%
2008	19	54%	2	6%	6	18%
2009	25	46%	12	22%	3	6%
2010	7	64%	2	18%	1	9%
2011	58	44%	1		8	6%

POULETS DE CHAIR



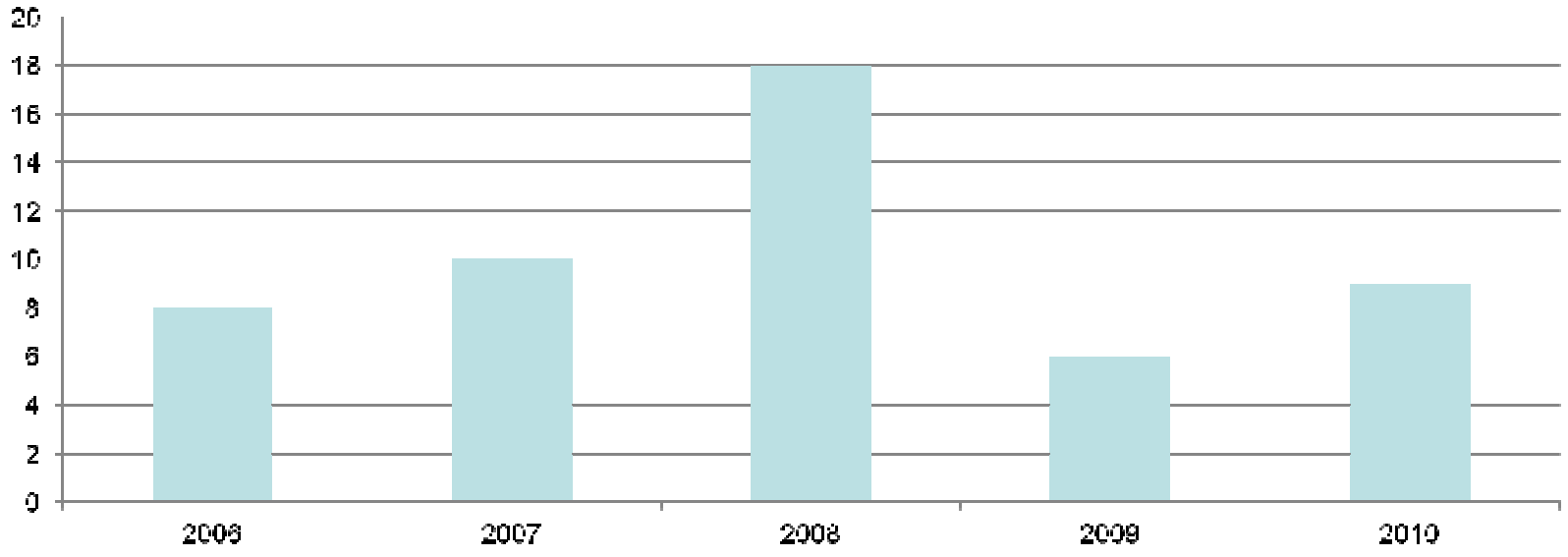
Isolements simples

Year	D274	793B	793B	Mass	Mass	Qx	Qx
2006	0	9	26%	7	21%	4	12%
2007		22	32%	4	6%	9	13%
2008		25	44%	7	12%	9	16%
2009		22	33%	12	18%	4	6%
2010		9	41%	6	27%	1	5%
2011		64	42%	14	9,2%	20	13,2%

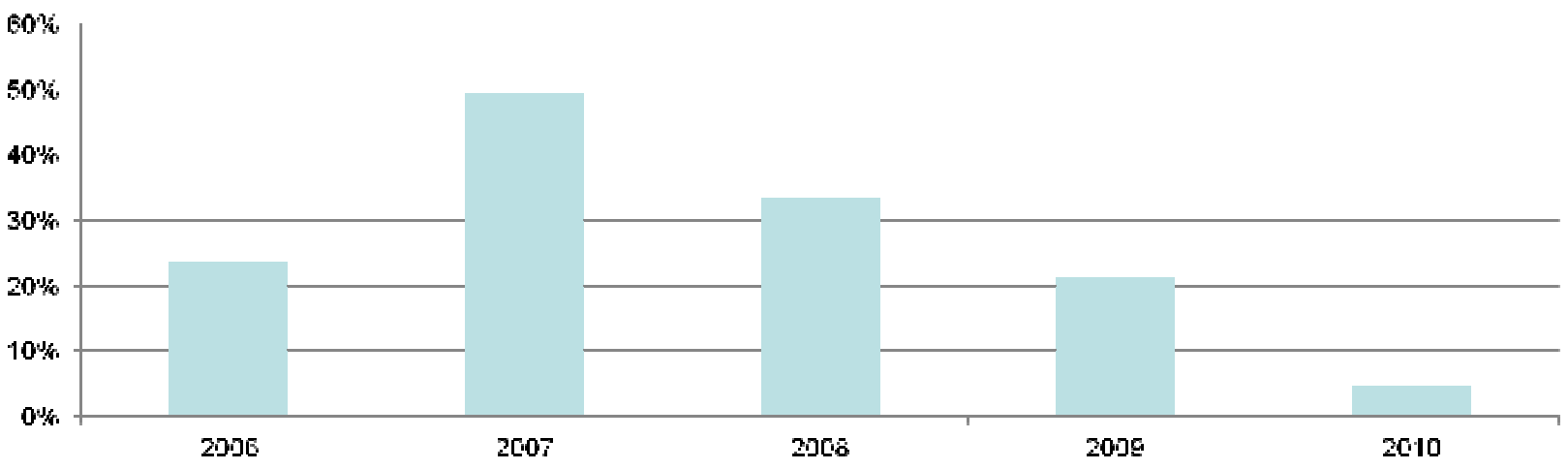
Isolements multiples

Year	Mass + 793B	Mass+Qx	793B+Qx	Mass+Qx+793B
2006	3	1	1	2
2007	6	4	9	12
2008	6	2	6	2
2009	8	5	4	1
2010	1			
2011	5	1	7	

Année	Total 793B		Total Mass		Total Qx	
2006	15	44%	13	38%	8	24%
2007	49	71%	26	38%	34	49%
2008	39	68%	17	30%	19	33%
2009	35	53%	26	39%	14	21%
2010	10	45%	7	32%	1	5%
2011	76	50%	20	13%	28	18%



Prévalence Qx sur poules pondeuses



Prévalence Qx sur poulets



Etude sur sujets sentinelles

	FARM 1	FARM 2	FARM 3	FARM 4	FARM 5	FARM 6
	SPF					
J10					NT	
J30 à 40	793B					
J60 à J70	NT	NT				
J90 à J110						
	FARM 1	FARM 2	FARM 3	FARM 4	FARM 5	FARM 6
	PROD BIRDS					
J0		NT		NT		
J10						NT
J30 à 40		793B		NT		
J60 à J70						
J90 à J110	NT	NT				

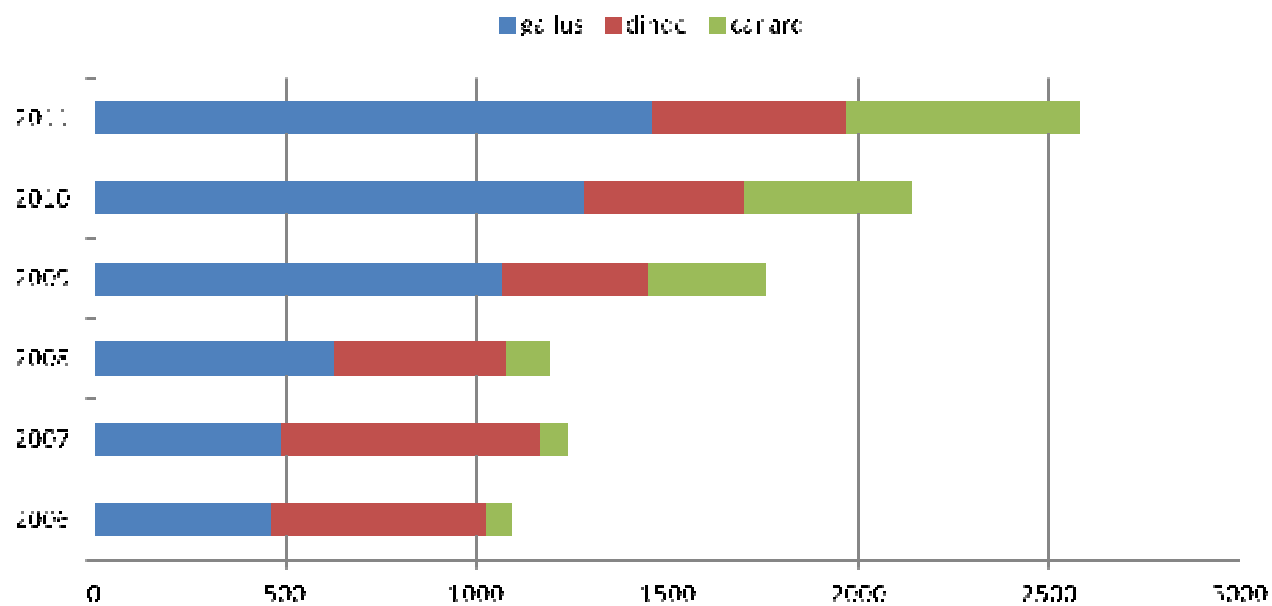


La Surveillance des antibiorésistances

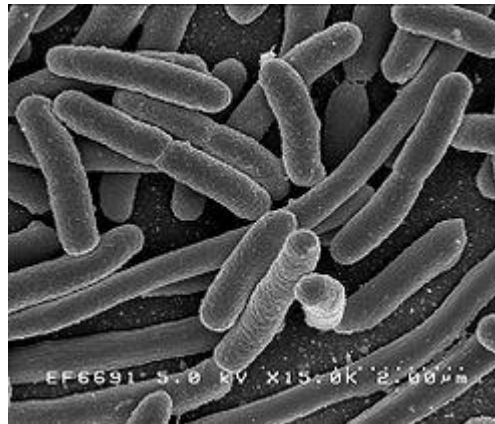
- Les antibiogrammes faits en routine
- Les recherches de BLSE sur « fonds de boites »

Antibiogrammes

Nombre ATB tous germes confondus

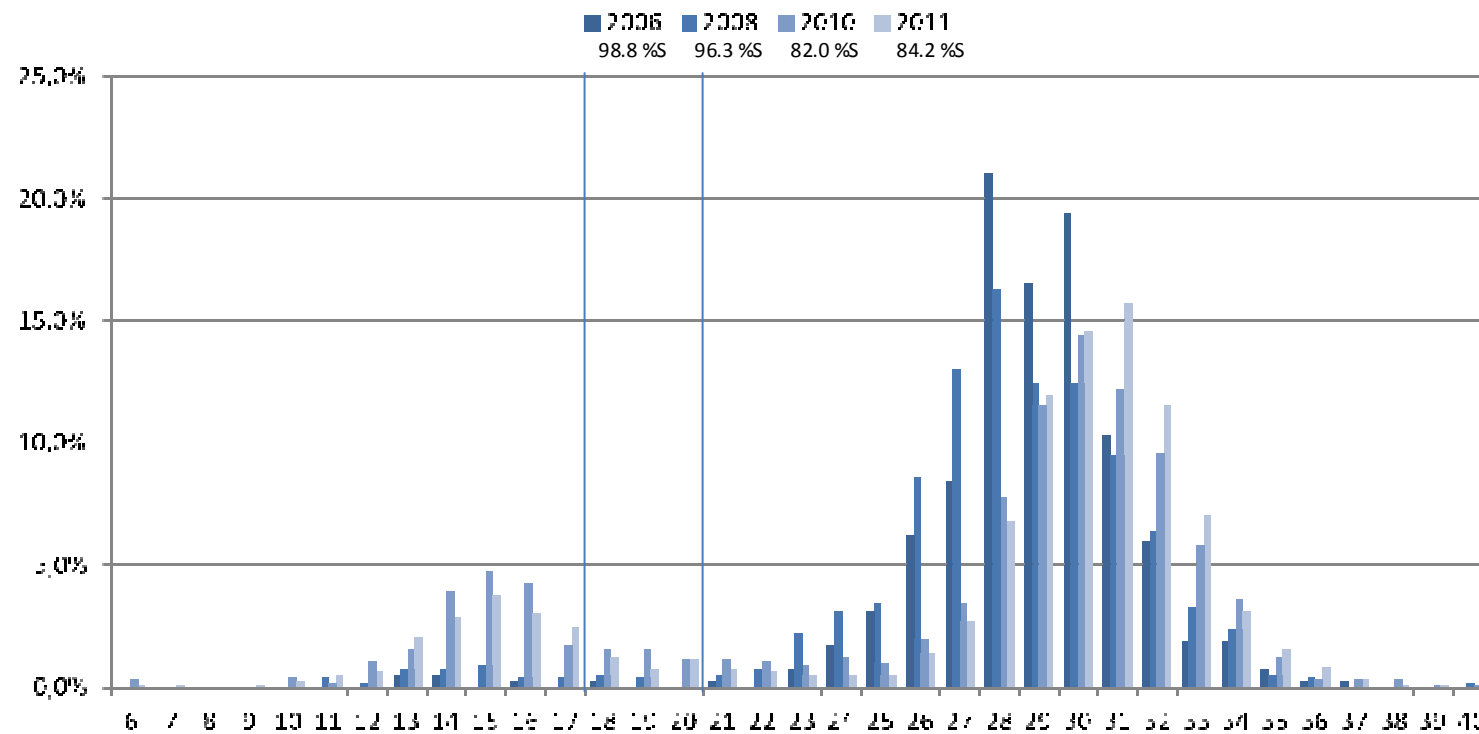


Escherichia coli

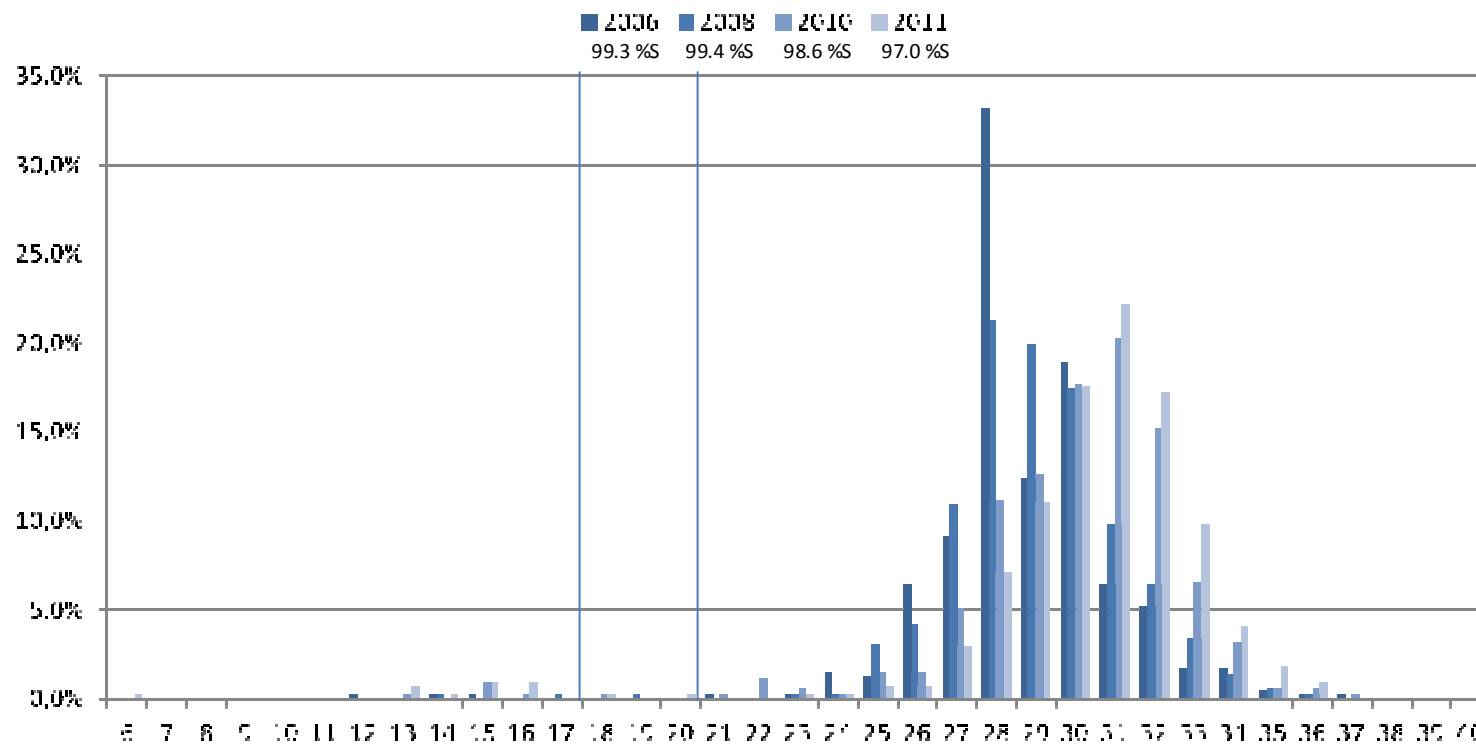


E. coli	2006	2007	2008	2009	2010	2011	Total	Total %
Gallus	368	403	486	876	1049	1231	4413	82.0%
dinde	423	554	325	292	292	365	2251	75.1%
canard	47	61	97	272	328	348	1153	71.0%

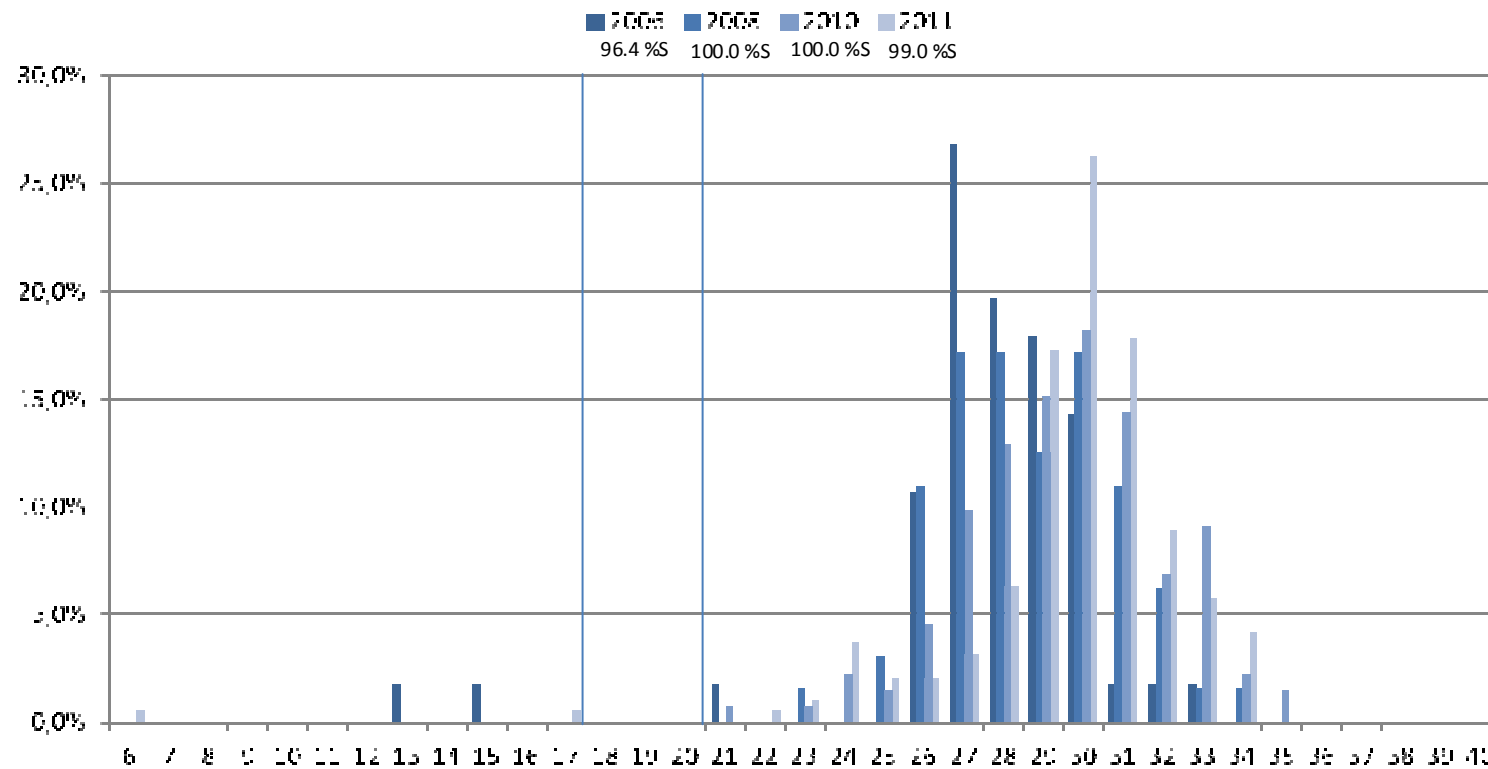
Ceftiofur / E. coli / Gallus



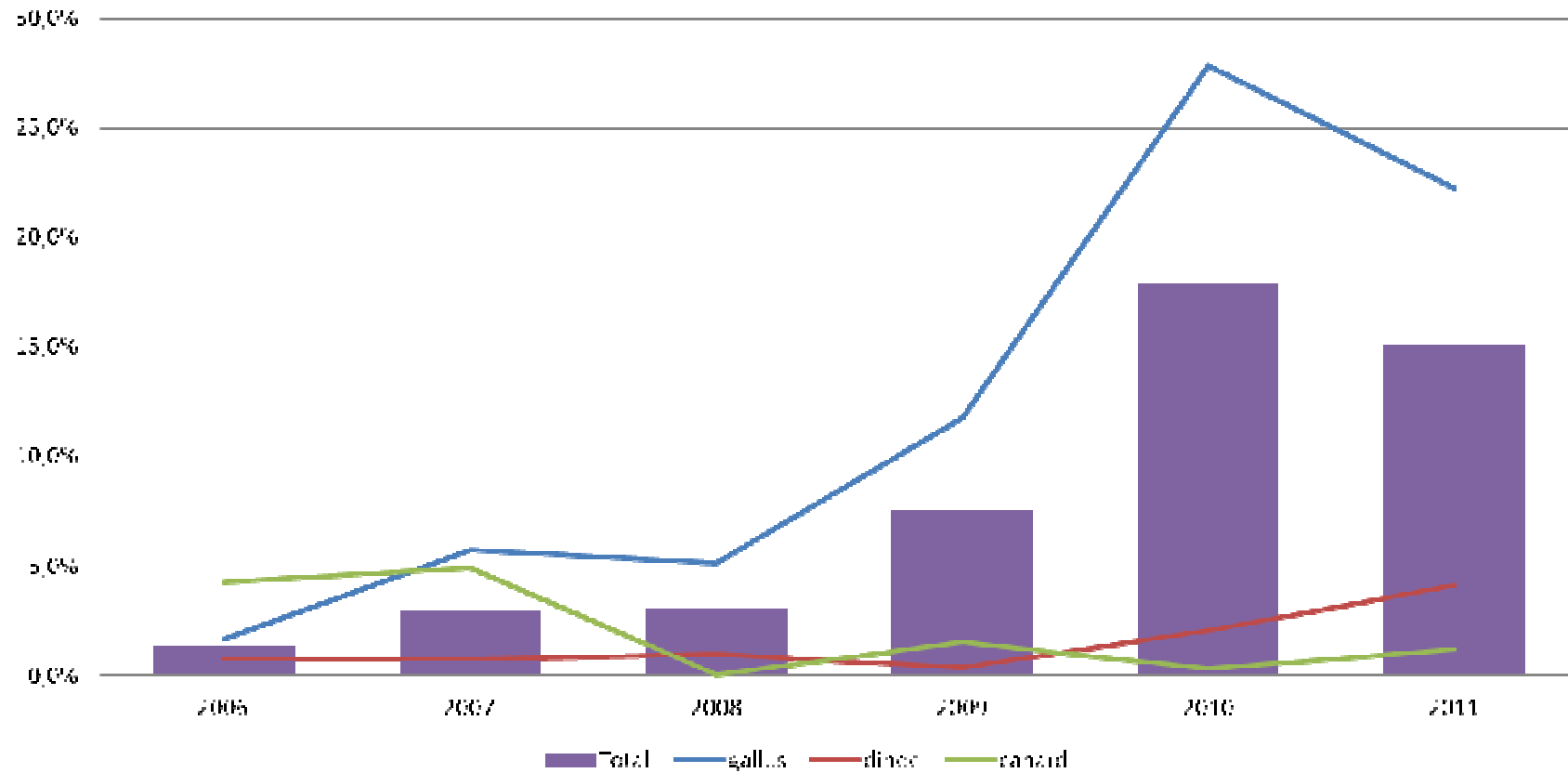
Ceftiofur / E. coli / dinde



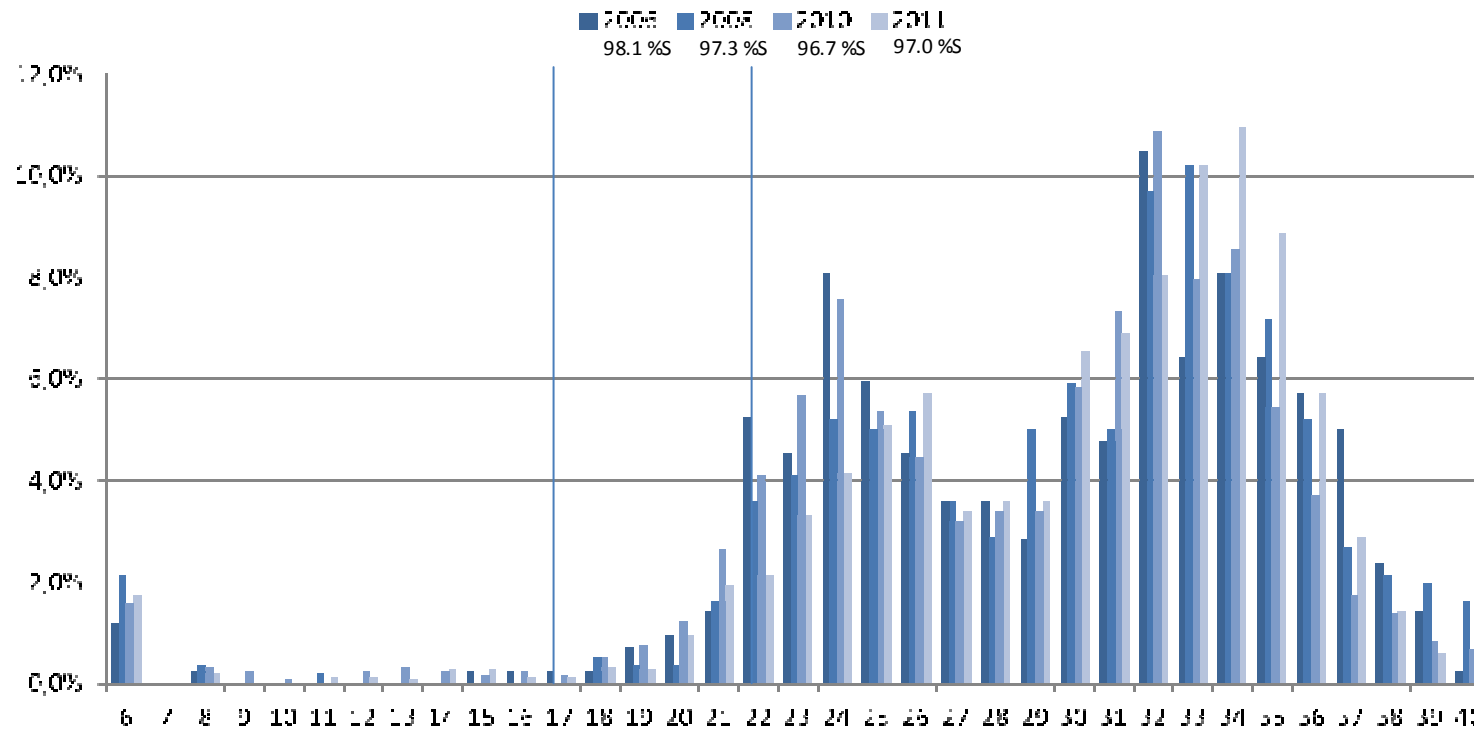
Ceftiofur / E. coli / canard



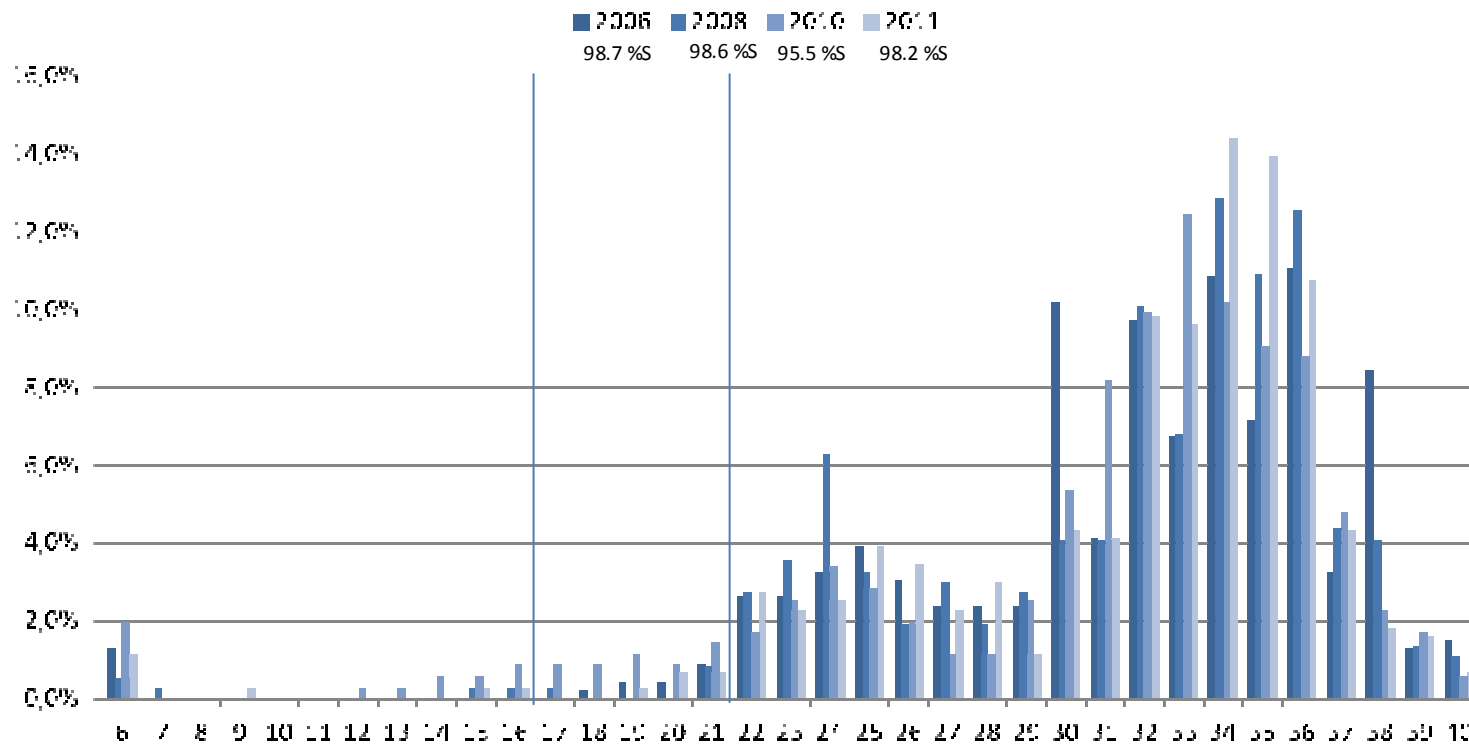
E. coli BLSE



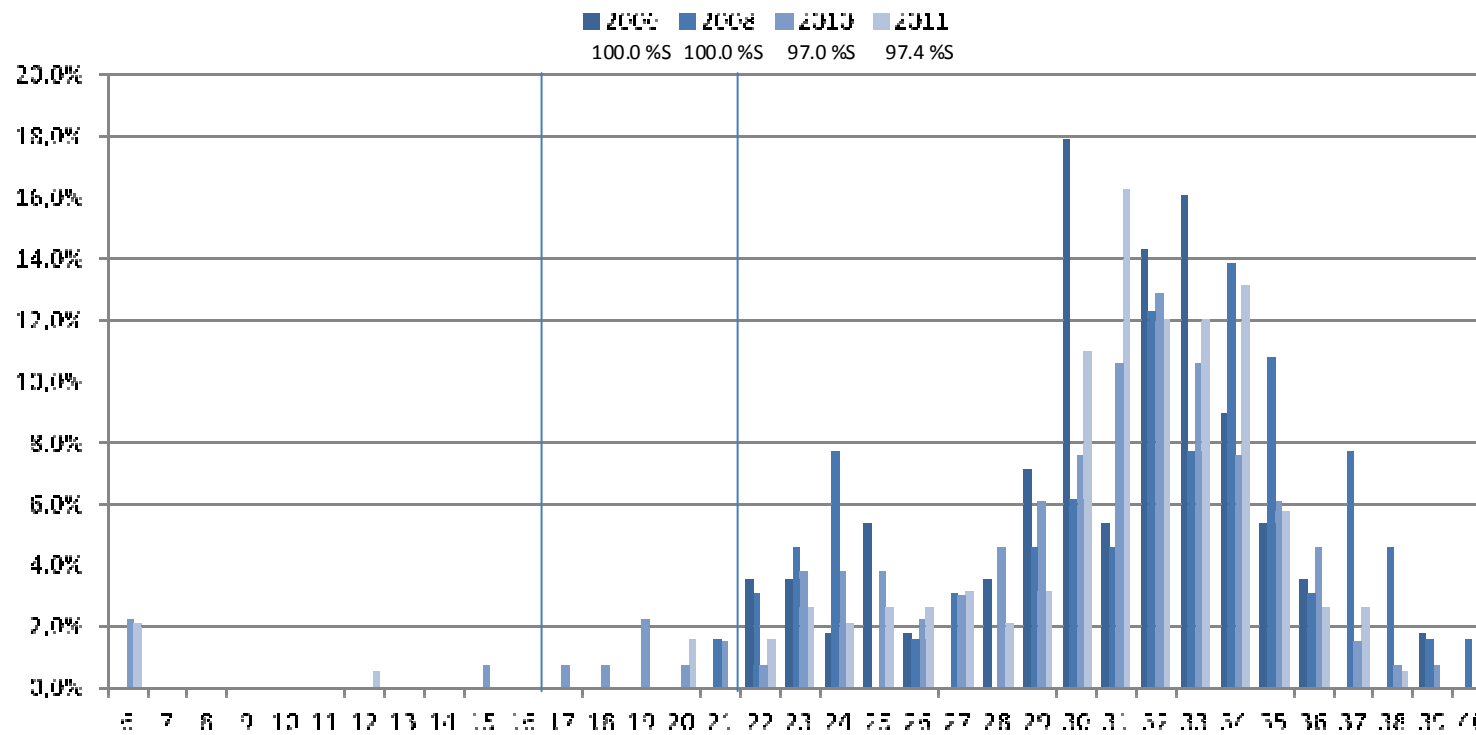
Enrofloxacin / E. coli / Gallus



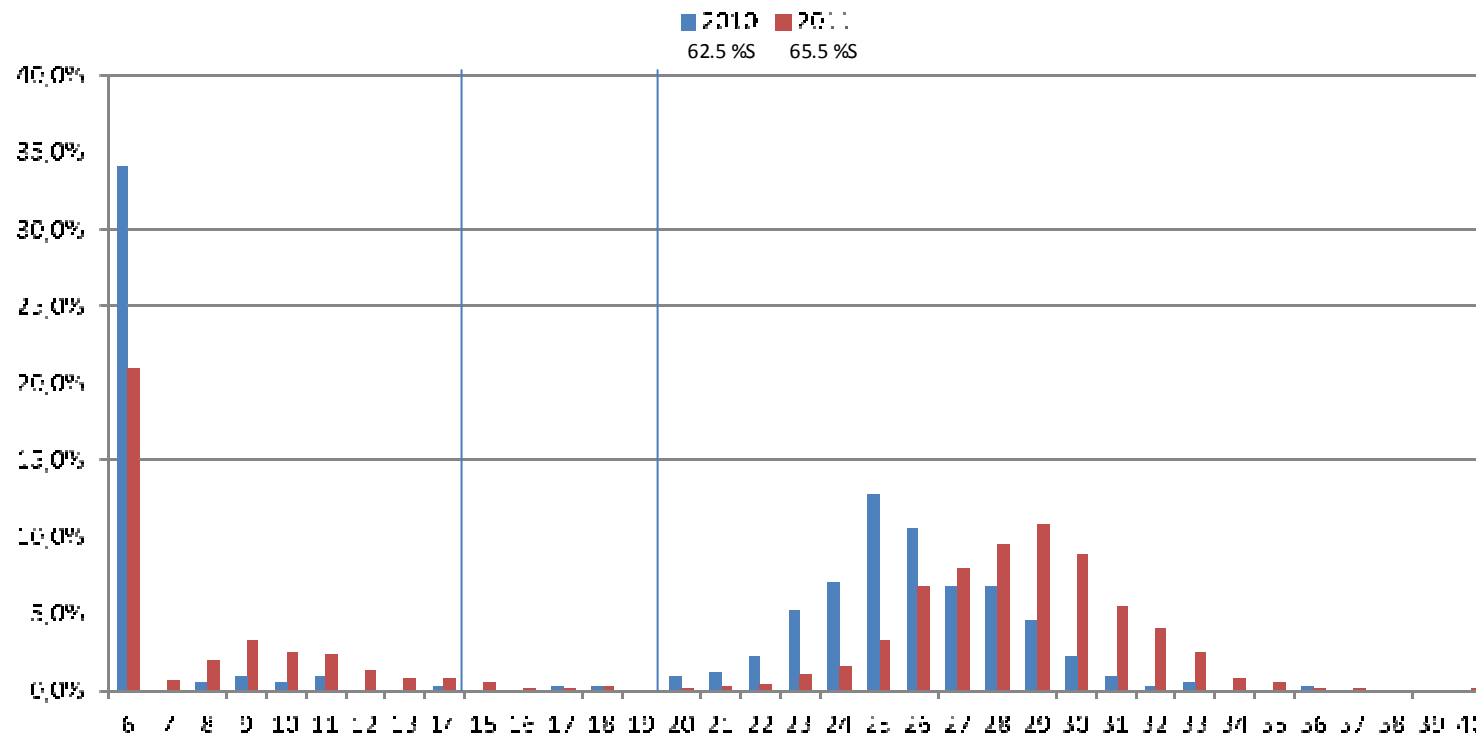
Enrofloxacin / E. coli / dinde



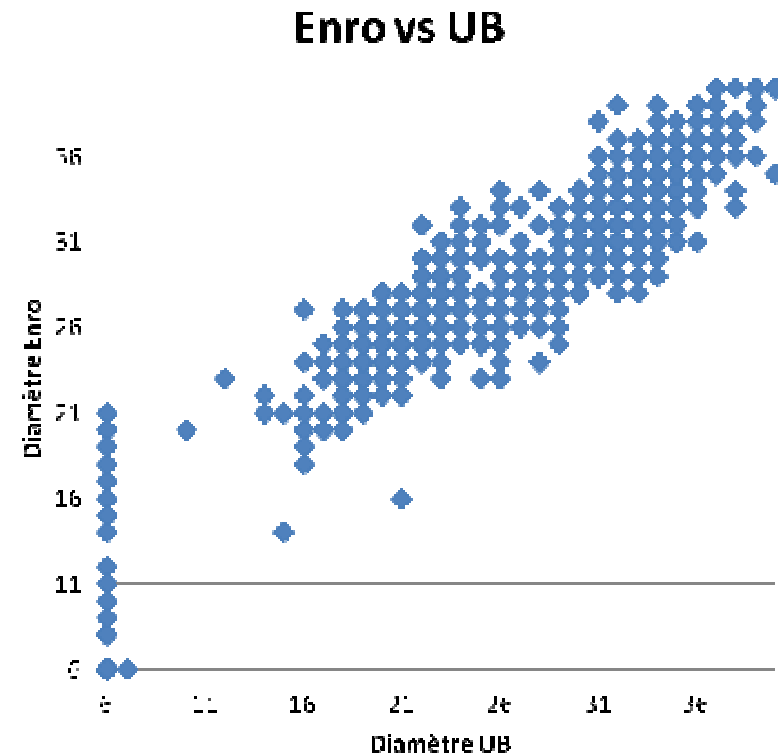
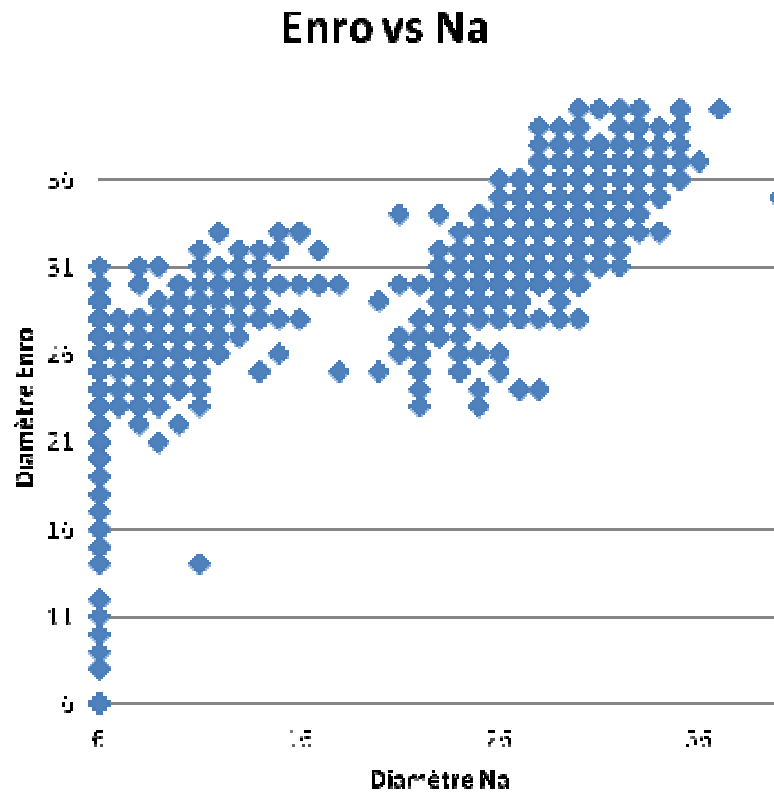
Enrofloxacin / E. coli / canard



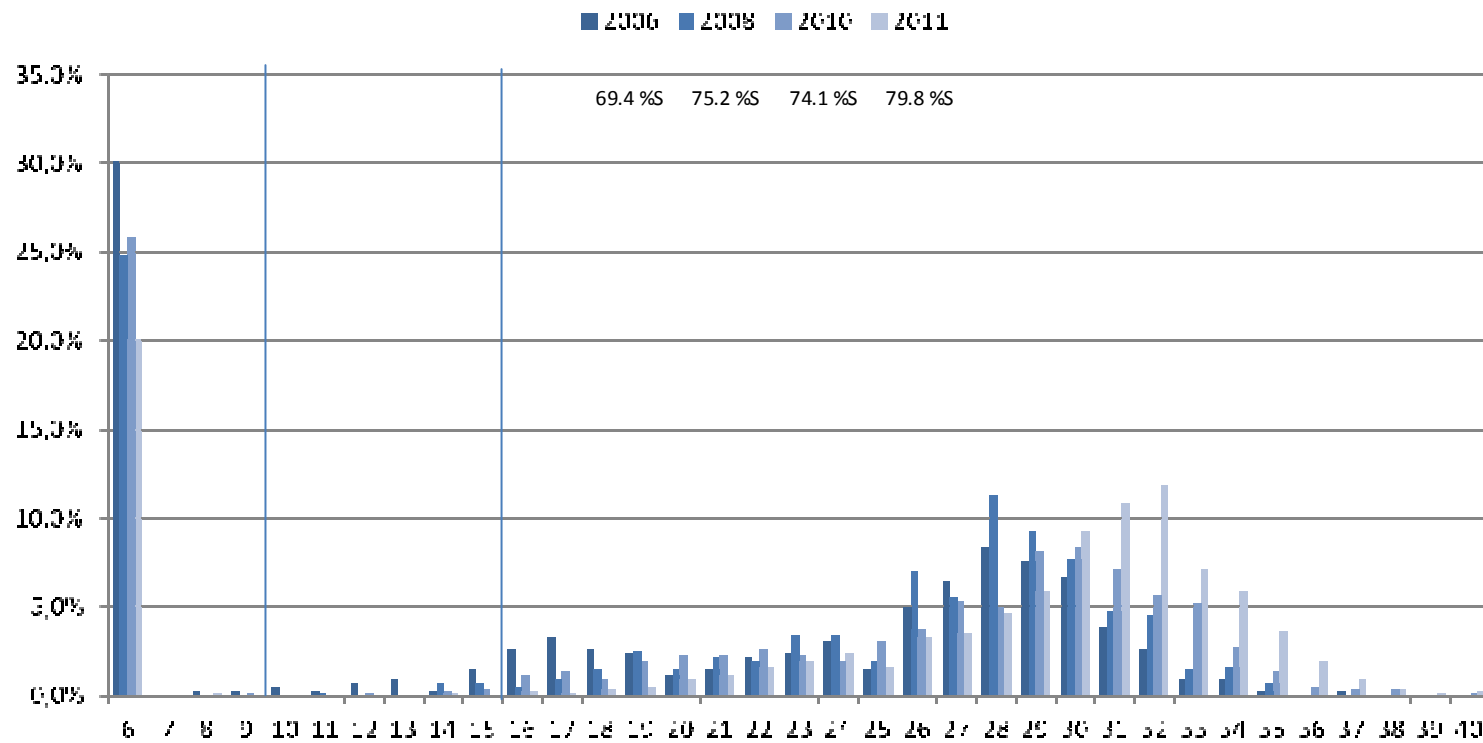
Acide nalidixique / E. coli / Gallus



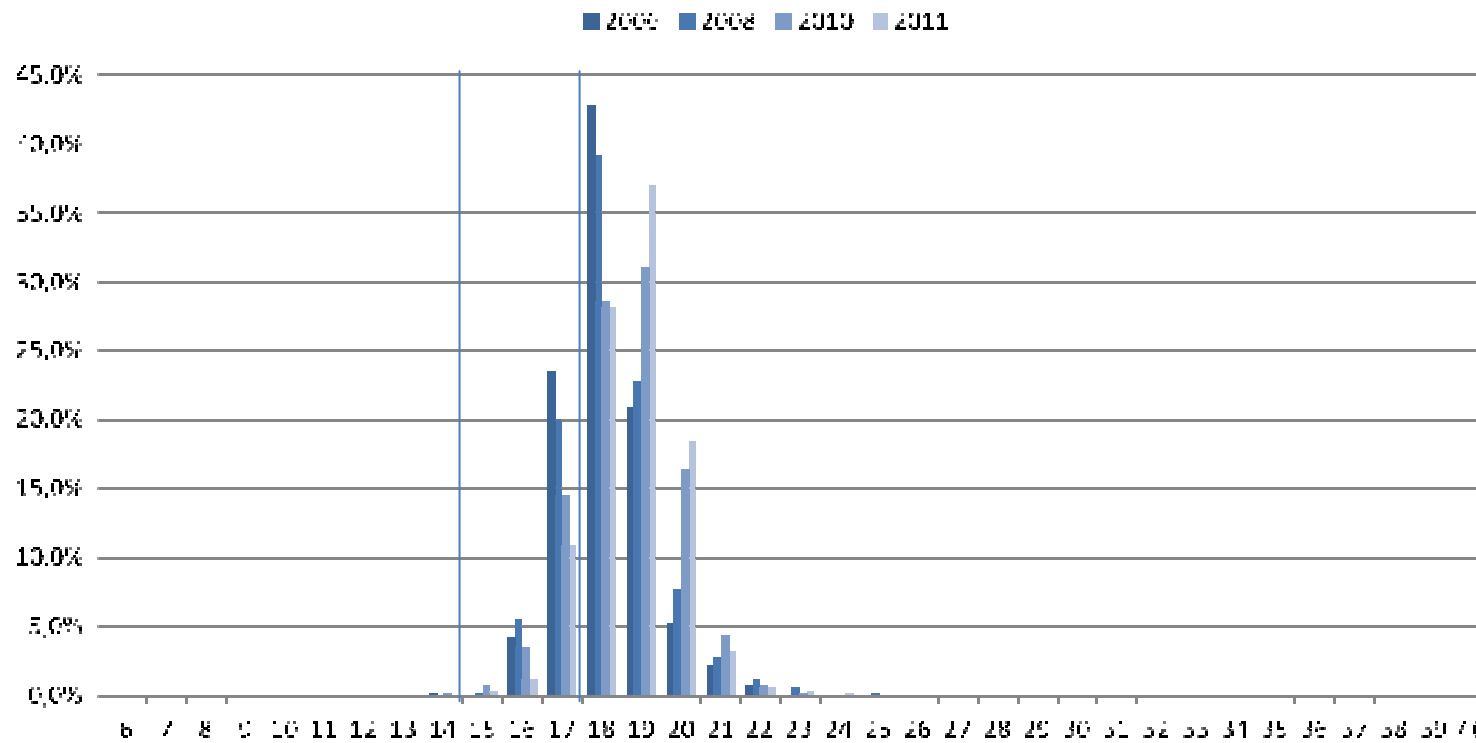
Intérêt du disque de Na



Trimethoprim + Sulfamides / E. coli / Gallus



Colistine / E. coli / gallus





Recherche de BLSE sur Fonds de Boites

- **Prise de fonds de boites de poussins**
- **Préenrichissement EPT**
- **10 mcl milieu SS + Ceftiofur 2 mcg /ml**
- **Reprise des bactéries résistantes pour recherche de BLSE**



		RESISTANCE	TOTAL	
		2 mcg/ml CFTUR		
CC	Couvoir canard	7	26	27%
CPC	Couvoir poussins chair	384	804	48%
POC	Couvoir pondeuse	262	486	54%
Total général		699	1400	50%

Comparaison de deux couvoirs producteurs de poulettes

40	POC	LCK	65	3	68	96%
41	POC	LH	159	202	361	44%