

## Vetenskapliga artiklar från Statens Veterinärmedicinska Anstalt 2009

- Artois, M., Bicout, D., Doctrinal, D., Fouchier, R., Gavier-Widén, D., Globig, A., Hagemeijer, W., Mundkur, T., Munster, V., Olsen, B., 2009, Outbreaks of highly pathogenic avian influenza in Europe: the risks associated with wild birds. *Revue Scientifique et Technique-Office International des Epizooties* 28, 69-92.
- Axelsson, H.M.K., Aldén, E., Lidfors, L., 2009, Behaviour in female mink housed in enriched standard cages during winter. *Applied Animal Behaviour Science* 121, 222-229.
- Axner, E., Uhlhorn, H., Ågren, E., Mörner, T., 2009, Reproductive Maturation in the Male Eurasian Lynx (*Lynx lynx*): A Study on 55 Reproductive Organs Collected from Carcasses During 2002-2005. *Reproduction in Domestic Animals* 44, 467-473.
- Bagge, E., Lewerin, S.S., Johansson, K.E., 2009, Detection and identification by PCR of *Clostridium chauvoei* in clinical isolates, bovine faeces and substrates from biogas plant. *Acta Veterinaria Scandinavica* 51(1), 8.
- Bálint, A., Metreveli, G., Widén, F., Zohari, S., Berg, M., Isaksson, M., Renström, L.H.M., Wallgren, P., Belák, S., Segall, T., Kiss, I., 2009, The first Swedish H1N2 swine influenza virus isolate represents an uncommon reassortant. *Virology Journal* 6, 180.
- Bálint, A., Tenk, M., Deim, Z., Rasmussen, T.B., Uttenthal, A., Csagola, A., Tuboly, T., Farsang, A., Fossum, C., Timmusk, S., Berg, M., Belák, S., 2009, Development of primer-probe energy transfer real-time pcr for the detection and quantification of porcine circovirus type 2. *Acta Veterinaria Hungarica* 57, 441-452.
- Balk, L., Hägerroth, P.A., Akerman, G., Hanson, M., Tjärnlund, U., Hansson, T., Hallgrimsson, G.T., Zebühr, Y., Broman, D., Mörner, T., Sundberg, H., 2009, Wild birds of declining European species are dying from a thiamine deficiency syndrome. *Proceedings of the National Academy of Sciences of the United States of America* 106, 12001-12006.
- Båverud, V., Gunnarsson, A., Engvall, E.O., Franzén, P., Egenvall, A., 2009, *Leptospira seroprevalence* and associations between seropositivity, clinical disease and host factors in horses. *Acta Veterinaria Scandinavica* 51, 15.
- Belák, S., Kiss, I., Viljoen, G.J., 2009, New developments in the diagnosis of avian influenza. *Revue Scientifique Et Technique-Office International Des Epizooties* 28, 233-243.
- Belák, S., Thorén, P., LeBlanc, N., Viljoen, G., 2009, Advances in viral disease diagnostic and molecular epidemiological technologies. *Expert Review of Molecular Diagnostics* 9, 367-381.
- Bengtsson, B., Unnerstad, H.E., Ekman, T., Artursson, K., Nilsson-Öst, M., Waller, K.P., 2009, Antimicrobial susceptibility of udder pathogens from cases of acute clinical mastitis in dairy cows. *Veterinary Microbiology* 136, 142-149.
- Bergman, E., Lundahl, A., Fridblom, P., Hedeland, M., Bondesson, U., Knutson, L., Lennernäs, H., 2009, Enterohepatic Disposition of Rosuvastatin in Pigs and the Impact of Concomitant Dosing with

- Cyclosporine and Gemfibrozil. *Drug Metabolism and Disposition* 37, 2349-2358.
- Blomström, A.L., Belák, S., Fossum, C., McKillen, J., Allan, G., Wallgren, P., Berg, M., 2009, Detection of a novel porcine boca-like virus in the background of porcine circovirus type 2 induced postweaning multisystemic wasting syndrome. *Virus Research* 146, 125-129.
- Boqvist, S., Aspán, A., Eriksson, E., 2009, Prevalence of Verotoxigenic *Escherichia coli* O157:H7 in Fecal and Ear Samples from Slaughtered Cattle in Sweden. *Journal of Food Protection* 72, 1709-1712.
- Boqvist, S., Pettersson, H., Svensson, A., Andersson, Y., 2009, Sources of sporadic *Yersinia enterocolitica* infection in children in Sweden, 2004: a case-control study. *Epidemiology and Infection* 137, 897-905.
- Brännström, S., Hansson, I., Chirico, J., 2009, Experimental study on possible transmission of the bacterium *Erysipelothrix rhusiopathiae* to chickens by the poultry red mite, *Dermanyssus gallinae*. *Experimental and Applied Acarology*, 1-9.
- Bröjer, C., Ågren, E.O., Uhlhorn, H., Bernodt, K., Mörner, T., Jansson, D.S., Mattsson, R., Zohari, S., Thorén, P., Berg, M., Gavier-Widén, D., 2009, Pathology of natural highly pathogenic avian influenza H5N1 infection in wild tufted ducks (*Aythya fuligula*). *Journal of Veterinary Diagnostic Investigation* 21, 579-587.
- Börjesson, S., Matussek, S., Melin, S., Löfgren, S. and Lindgren, P.E., 2009, Methicillin-resistant *Staphylococcus aureus* (MRSA) in municipal wastewater: an uncharted threat. *Journal of Applied Mic.* ISSN 1364-5072, 1-8.
- Capurro, A., Artursson, K., Waller, K.P., Bengtsson, B., Ericsson-Unnerstad, H., Aspán, A., 2009, Comparison of a commercialized phenotyping system, antimicrobial susceptibility testing, and tuf gene sequence-based genotyping for species-level identification of coagulase-negative staphylococci isolated from cases of bovine mastitis. *Veterinary Microbiology* 134, 327-333.
- Carlsson, U., Wallgren, P., Renström, L.H.M., Lindberg, A., Eriksson, H., Thorén, P., Eliasson-Selling, L., Lundeheim, N., Nörregård, E., Thörn, C., Elvander, M., 2009, Emergence of Porcine Reproductive and Respiratory Syndrome in Sweden: Detection, Response and Eradication. *Transboundary and Emerging Diseases* 56, 121-131.
- Charlier, J., Höglund, J., von Samson-Himmelstjerna, G., Dorny, P., Vercruyse, J., 2009, Gastrointestinal nematode infections in adult dairy cattle: Impact on production, diagnosis and control. *Veterinary Parasitology* 164, 70-79.
- Charlier, J., Troeng, J., Höglund, J., Demeler, J., Stafford, K., Coles, G., von Samson-Himmelstjerna, G., Merza, M., Vercruyse, J., 2009, Assessment of the within- and between-laboratory repeatability of a commercially available *Ostertagia ostertagi* milk ELISA. *Veterinary Parasitology* 164, 66-69.
- de Girolamo, A., Lippolis, V., Nordkvist, E., Visconti, A., 2009, Rapid and non-invasive analysis of deoxynivalenol in durum and common wheat by Fourier-Transform Near Infrared (FT-NIR) spectroscopy. *Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment* 26, 907-917.

- Demeler, J., Van Zeveren, A.M.J., Kleinschmidt, N., Vercruyssen, J., Höglund, J., Koopmann, R., Cabaret, J., Claerebout, E., Areskog, M., von Samson-Himmelstjerna, G., 2009, Monitoring the efficacy of ivermectin and albendazole against gastro intestinal nematodes of cattle in Northern Europe. *Veterinary Parasitology* 160, 109-115.
- Dobos-Kovacs, M., Varga, Z., Czifra, G., Stipkovits, L., 2009, Salpingitis in geese associated with *Mycoplasma* sp strain 1220. *Avian Pathology* 38, 239-243.
- Eriksson M, Waldenstedt L, Engström B, Elwinger K (2009) Protein supply in organic broiler diets. *Acta Agriculturae Scandinavica A: Animal Sciences* 59:211-219
- Ericsson Unnerstad, H., Lindberg, A., Persson Waller, K., Ekman, T., Artursson, K., Nilsson-Öst, M., Bengtsson, B., 2009, Microbial aetiology of acute clinical mastitis and agent-specific risk factors. *Veterinary Microbiology* 137, 90-97.
- Eriksson, H., Jansson, D.S., Johansson, K.E., Båverud, V., Chirico, J., Aspán, A., 2009, Characterization of *Erysipelothrix rhusiopathiae* isolates from poultry, pigs, emus, the poultry red mite and other animals. *Veterinary Microbiology* 137, 98-104.
- Farkas, T., Szekely, E., Belák, S., Kiss, I., 2009, Real-Time PCR-Based Pathotyping of Newcastle Disease Virus by Use of TaqMan Minor Groove Binder Probes. *Journal of Clinical Microbiology* 47, 2114-2123.
- Forsgren, E., de Miranda, J.R., Isaksson, M., Wei, S., Fries, I., 2009, Deformed wing virus associated with *Tropilaelaps mercedesae* infesting European honey bees (*Apis mellifera*). *Experimental and Applied Acarology* 47, 87-97.
- Fossum, O., Jansson, D.S., Etterlin, P.E., Vågsholm, I., 2009, Causes of mortality in laying hens in different housing systems in 2001 to 2004. *Acta Veterinaria Scandinavica* 51, 3.
- Franzen, P., Aspán, A., Egenvall, A., Gunnarsson, A., Karlstam, E., Pringle, J., 2009, Molecular Evidence for Persistence of *Anaplasma phagocytophilum* in the Absence of Clinical Abnormalities in Horses after Recovery from Acute Experimental Infection. *Journal of Veterinary Internal Medicine* 23, 636-642.
- Fredriksson, C., Hedhammar, M., Feinstein, R., Nordling, K., Kratz, G., Johansson, J., Huss, F., Rising, A. 2009, Tissue response to subcutaneously implanted recombinant spider silk: An *in vivo* study. *Materials* 2, 1908-1922.
- Frössling, J., Ågren, E.C.C., Eliasson-Selling, L., Lewerin, S.S., 2009, Probability of freedom from disease after the first detection and eradication of PRRS in Sweden: Scenario-tree modelling of the surveillance system. *Preventive Veterinary Medicine* 91, 137-145.
- Gavier-Widén, D., Cooke, M.M., Gallagher, J., Chambers, M.A., Gortazar, C., 2009, A review of infection of wildlife hosts with *Mycobacterium bovis* and the diagnostic difficulties of the 'no visible lesion' presentation. *New Zealand Veterinary Journal* 57, 122-131.
- Githiori, J.B., Mugambi, J.M., Vatta, A., Waller, P.J., Medley, G., 2009, Copper oxide wire particles in control of *Haemonchus contortus* in naturally infected sheep in Kenya. *Journal of the South African Veterinary*

- Association-Tydskrif Van Die Suid-Afrikaanse Veterinere Vereniging 80, 118.
- Greko, C., 2009, Reflection paper on the use of third and fourth generation cephalosporins in food producing animals in the European Union: Development of resistance and impact on human and animal health. *Journal of Veterinary Pharmacology and Therapeutics* 32, 515-533.
- Gyarmati, P., Metreveli, G., Kecskemeti, S., Rozsa, M., Belák, S., Kiss, I., 2009, Molecular analysis and characterization of swine and human influenza viruses isolated in Hungary in 2006-2007. *Virus Genes* 39, 186-192.
- Hagman, R., Karlstam, E., Persson, S., Kindahl, H., 2009, Plasma PGF(2 alpha) metabolite levels in cats with uterine disease. *Theriogenology* 72, 1180-1187.
- Hagman, R., Reezigt, B.J., Ledin, H.B., Karlstam, E., 2009, Blood lactate levels in 31 female dogs with pyometra. *Acta Veterinaria Scandinavica* 51(1), art. no. 2.
- Holst BS, Frössling J (2009) The Swedish breeding cat: population description, infectious diseases and reproductive performance evaluated by a questionnaire. *Journal of Feline Medicine and Surgery* 11:793-802
- Hongslo, T., Jansson, E., 2009, Health survey of aquarium fish in Swedish pet-shops. *Bulletin of the European Association of Fish Pathologists* 29, 163-174.
- Hvidsten, T.R., Lægreid, A., Kryshtafovych, A., Anderson, G., Fidelis, K., Komorowski, J., 2009, A comprehensive analysis of the structure-function relationship in proteins based on local structure similarity. *PLoS ONE* 4.
- Jansson, D.S., Råsbäck, T., Fellström, C., Feinstein, R., 2009, Experimental Challenge of Mallards (*Anas platyrhynchos*) with *Brachyspira hyodysenteriae* and "*Brachyspira suanatina*" Isolated from Pigs and Mallards. *Journal of Comparative Pathology* 141, 211-222.
- Jonsson, M.E., Eriksson, E., Boqvist, S., Urdahl, A.M., Aspán, A., 2009, Experimental infection in calves with a specific subtype of verocytotoxin-producing *Escherichia coli* O157:H7 of bovine origin. *Acta Veterinaria Scandinavica* 51, 43.
- Jäderlund, K.H., Bergström, K., Egenvall, A., Hedhammar, A., 2009, Cerebrospinal Fluid PCR and Antibody Concentrations against *Anaplasma phagocytophilum* and *Borrelia burgdorferi sensu lato* in Dogs with Neurological Signs. *Journal of Veterinary Internal Medicine* 23, 669-672.
- Koyuncu, S., Häggblom, P., 2009, A comparative study of cultural methods for the detection of Salmonella in feed and feed ingredients. *BMC veterinary research* 5, 6.
- LeBlanc, N., Gantelius, J., Schwenk, J.M., Ståhl, K., Blomberg, J., Andersson-Svahn, H., Belak, S., 2009, Development of a magnetic bead microarray for simultaneous and simple detection of four pestiviruses. *Journal of Virological Methods* 155, 1-9.
- Lind, E.O., Christensson, D., 2009, Anthelmintic efficacy on *Parascaris equorum* in foals on Swedish studs. *Acta Veterinaria Scandinavica* 51, 45.

- Lindmark, H., Boqvist, S., Ljungström, M., Ågren, P., Björkholm, B., Engstrand, L., 2009, Risk Factors for Campylobacteriosis: an Epidemiological Surveillance Study of Patients and Retail Poultry. *Journal of Clinical Microbiology* 47, 2616-2619.
- Lindström, T., Sisson, S.A., Nöremark, M., Jonsson, A., Wennergren, U., 2009, Estimation of distance related probability of animal movements between holdings and implications for disease spread modeling. *Preventive Veterinary Medicine* 91, 85-94.
- Liu, L.H., Hoffmann, B., Baule, C., Beer, M., Belak, S., Widen, F., 2009, Two real-time RT-PCR assays of classical swine fever virus, developed for the genetic differentiation of naturally infected from vaccinated wild boars. *Journal of Virological Methods* 159, 131-133.
- Liu, L.H., Kampa, J., Belak, S., Baule, C., 2009, Virus recovery and full-length sequence analysis of atypical bovine pestivirus Th/04\_KhonKaen. *Veterinary Microbiology* 138, 62-68.
- Liu, L.H., Xia, H.Y., Baule, C., Belak, S., 2009, Maximum likelihood and Bayesian analyses of a combined nucleotide sequence dataset for genetic characterization of a novel pestivirus, SVA/cont-08. *Archives of Virology* 154, 1111-1116.
- Liu, L.H., Xia, H.Y., Belak, S., Widen, F., 2009, Development of a primer-probe energy transfer real-time PCR assay for improved detection of classical swine fever virus. *Journal of Virological Methods* 160, 69-73.
- Liu, L.H., Xia, H.Y., Wahlberg, N., Belak, S., Baule, C., 2009, Phylogeny, classification and evolutionary insights into pestiviruses. *Virology* 385, 351-357.
- Loobuyck, M., Frössling, J., Lindberg, A., Björkman, C., 2009, Seroprevalence and spatial distribution of *Neospora caninum* in a population of beef cattle. *Preventive Veterinary Medicine* 92, 116-122.
- Lundahl, A., Hedeland, M., Bondesson, U., Knutson, L., Lennernas, H., 2009, The effect of St. John's wort on the pharmacokinetics, metabolism and biliary excretion of finasteride and its metabolites in healthy men. *European Journal of Pharmaceutical Sciences* 36, 433-443.
- Lundahl, A., Lennernas, H., Knutson, L., Bondesson, U., Hedeland, M., 2009, Identification of Finasteride Metabolites in Human Bile and Urine by High-Performance Liquid Chromatography/Tandem Mass Spectrometry. *Drug Metabolism and Disposition* 37, 2008-2017.
- Morrison, D.A., 2009a, A framework for phylogenetic sequence alignment. *Plant Systematics and Evolution* 282, 127-149.
- Morrison, D.A., 2009b, Why would phylogeneticists ignore computerized sequence alignment? *Systematic Biology* 58, 150-158.
- Mul, M., van Niekerk, T., Chirico, J., Maurer, V., Kilpinen, O., Sparagano, O., Thind, B., Zoons, J., Moore, D., Bell, B., Gjevre, A.G., Chauve, C., 2009, Control methods for *Dermanyssus gallinae* in systems for laying hens: results of an international seminar. *Worlds Poultry Science Journal* 65, 589-599.
- Muradrasoli, S., Mohamed, N., Hornyak, A., Fohlman, J., Olsen, B., Belák, S., Blomberg, J., 2009, Broadly targeted multiprobe QPCR for detection of coronaviruses: Coronavirus is common among mallard ducks (*Anas platyrhynchos*). *Journal of Virological Methods* 159, 277-287.

- Mörk, M., Lindberg, A., Alenius, S., Vågsholm, I., Egenvall, A., 2009, Comparison between dairy cow disease incidence in data registered by farmers and in data from a disease-recording system based on veterinary reporting. *Preventive Veterinary Medicine* 88, 298-307.
- Mörk, M.J., Emanuelson, U., Lindberg, A., Vågsholm, I., Egenvall, A., 2009, Herd and cow characteristics affecting the odds of veterinary treatment for disease - a multilevel analysis. *Acta Veterinaria Scandinavica* 51(1), art. no. 34.
- Neiman, M., Hamsten, C., Schwenk, J.M., Bölske, G., Persson, A., 2009, Multiplex screening of surface proteins from *Mycoplasma mycoides* subsp. *mycoides* small colony for an antigen cocktail enzyme-linked immunosorbent assay. *Clinical and Vaccine Immunology* 16, 1665-1674.
- Neimanis, A.S., Hill, J.E., Jardine, C.M., Bollinger, T.K., 2009, Sheep-associated Malignant Catarrhal Fever in Free-ranging Moose (*Alces alces*) in Saskatchewan, Canada. *Journal of Wildlife Diseases* 45, 213-217.
- Nilsson, O., Greko, C., Bengtsson, B., 2009, Environmental contamination by vancomycin resistant enterococci (VRE) in Swedish broiler production. *Acta Veterinaria Scandinavica* 51, 49.
- Nilsson, O., Greko, C., Top, J., Franklin, A., Bengtsson, B., 2009, Spread without known selective pressure of a vancomycin-resistant clone of *Enterococcus faecium* among broilers. *Journal of Antimicrobial Chemotherapy* 63, 868-872.
- Niwagaba, C., Nalubega, M., Vinnerås, B., Sundberg, C., Jonsson, H., 2009a, Bench-scale composting of source-separated human faeces for sanitation. *Waste Management* 29, 585-589.
- Niwagaba, C., Nalubega, M., Vinnerås, B., Sundberg, C., Jonsson, H., 2009b, Substrate composition and moisture in composting source-separated human faeces and food waste. *Environmental Technology* 30, 487-497.
- Norder, H., Sundqvist, L., Magnusson, L., Breum, S.O., Löfdahl, M., Larsen, L.E., Hjulsager, C.K., Magnius, L., Bottiger, B.E., Widén, F., 2009, Endemic hepatitis E in two nordic countries. *Eurosurveillance* 14, 20-28.
- Nordin, A., Nyberg, K., Vinnerås, B., 2009, Inactivation of *Ascaris* Eggs in Source-Separated Urine and Feces by Ammonia at Ambient Temperatures. *Applied and Environmental Microbiology* 75, 662-667.
- Nordin, A., Ottoson, J.R., Vinnerås, B., 2009, Sanitation of faeces from source-separating dry toilets using urea. *Journal of Applied Microbiology* 107, 1579-1587.
- Nordkvist, E., Stepinska, A., Häggblom, P., 2009, Aflatoxin contamination of consumer milk caused by contaminated rice by-products in compound cattle feed. *Journal of the Science of Food and Agriculture* 89, 359-361.
- Nyman, A.K., Emanuelson, U., Gustafsson, A.H., Waller, K.P., 2009, Management practices associated with udder health of first-parity dairy cows in early lactation. *Preventive Veterinary Medicine* 88, 138-149.

- Nöremark, M., Håkansson, N., Lindström, T., Wennergren, U., Lewerin, S.S., 2009, Spatial and temporal investigations of reported movements, births and deaths of cattle and pigs in Sweden. *Acta Veterinaria Scandinavica* 51, 37.
- Nöremark, M., Lindberg, A., Vågsholm, I., Lewerin, S.S., 2009, Disease awareness, information retrieval and change in biosecurity routines among pig farmers in association with the first PRRS outbreak in Sweden. *Preventive Veterinary Medicine* 90, 1-9.
- Olsen, L., Bondesson, U., Broström, H., Olsson, U., Mazogi, B., Sundqvist, M., Tjälve, H., Ingvast-Larsson, C., 2009, Pharmacokinetics and effects of cetirizine in horses with insect bite hypersensitivity - a field study. *Journal of Veterinary Pharmacology and Therapeutics* 32, 216-216.
- Persson Waller, K., Bengtsson, B., Lindberg, A., Nyman, A., Ericsson Unnerstad, H., 2009, Incidence of mastitis and bacterial findings at clinical mastitis in Swedish primiparous cows-Influence of breed and stage of lactation. *Veterinary Microbiology* 134, 89-94.
- Pires, S.M., Evers, E.G., van Pelt, W., Ayers, T., Scallan, E., Angulo, F.J., Havelaar, A., Hald, T., Schroeter, A., Brisabois, A., Thebault, A., Käsböhrer, A., Schroeder, C., Frank, C., Guo, C., Lo Fo Wong, D., Döpfer, D., Snary, E., Nichols, G., Spitznagel, H., Wahlström, H., David, J., Panoer, K., Stark, K., Forshell, L.P., Nally, P., Sanders, P., Hiller, P., 2009, Attributing the human disease burden of foodborne infections to specific sources. *Foodborne Pathog Dis.* 6(4), 417-424.
- Pringle, M., Backhans, A., Otman, F., Sjölund, M., Fellström, C., 2009, Isolation of spirochetes of genus *Treponema* from pigs with ear necrosis. *Veterinary Microbiology* 139, 279-283.
- Pyorala, S., Greko, C., Pomba, M., 2009, Use of glycopeptides in veterinary medicine. *Veterinary Record* 165, 543-543.
- Rasmussen, T.B., Uttenthal, A., Hakhverdyan, M., Belák, S., Wakeley, P.R., Reid, S.M., Ebert, K., King, D.P., 2009, Evaluation of automated nucleic acid extraction methods for virus detection in a multicenter comparative trial. *Journal of Virological Methods* 155, 87-90.
- Sahlström, L., Rehbinder, V., Albiñ, A., Aspán, A., Bengtsson, B., 2009, Vancomycin resistant enterococci (VRE) in Swedish sewage sludge. *Acta Veterinaria Scandinavica* 51(1), art. no. 24.
- Salgado, M., Herthnek, D., Bölske, G., Leiva, S., Kruze, J., 2009, First isolation of *Mycobacterium avium* subsp *paratuberculosis* from wild guanacos (*Lama guanicoe*) on tierra del fuego island. *Journal of Wildlife Diseases* 45, 295-301.
- Salomonsson, M.L., Bondesson, U., Hedeland, M., 2009, In vitro formation of phase I and II metabolites of propranolol and determination of their structures using chemical derivatization and liquid chromatography-tandem mass spectrometry. *Journal of Mass Spectrometry* 44, 742-754.
- Sandgren, C.H., Lindberg, A., Keeling, L.J., 2009, Using a national dairy database to identify herds with poor welfare. *Animal Welfare* 18, 523-532.
- Silverlås, C., Björkman, C., Engvall, A., 2009, Systematic review and meta-analyses of the effects of halofuginone against calf cryptosporidiosis, *Prev. Vet.Med.* 91, 73-84.

- Silverlås, C., Emanuelson, U., de Verdier, K., Björkman, C., 2009, Prevalence and associated management factors of *Cryptosporidium* shedding in 50 Swedish dairy herds. *Preventive Veterinary Medicine* 90, 242-253.
- Sjölund, M., de la Fuente, A.J.M., Fossum, C., Wallgren, P., 2009, Responses of pigs to a re-challenge with *Actinobacillus pleuropneumoniae* after being treated with different antimicrobials following their initial exposure. *Veterinary Record* 164, 550-555.
- Sokerya, S., Waller, P.J., Try, P., Höglund, J., 2009, The effect of long-term feeding of fresh and ensiled cassava (*Manihot esculenta*) foliage on gastrointestinal nematode infections in goats. *Tropical Animal Health and Production* 41, 251-258.
- Spickett, A., de Villiers, J.F., Boomker, J.D.F., Githiori, J.B., Medley, G.F., Stenson, M.O., Waller, P.J., Vatta, A.F., 2009, The anthelmintic efficacy of copper oxide wire particles (COWP) against *Haemonchus contortus* in communally grazed indigenous goats in KwaZulu-Natal, South Africa. *Journal of the South African Veterinary Association-Tydskrif Van Die Suid-Afrikaanse Veterinere Vereniging* 80, 133-133.
- Ståhl, K., Benito, A., Felmer, R., Zuniga, J., Reinhardt, G., Rivera, H., Baule, C., Moreno-Lopez, J., 2009, Genetic diversity of bovine viral diarrhoea virus (BVDV) from Peru and Chile. *Pesquisa Veterinaria Brasileira* 29, 41-44.
- Stieger-Vanegas, S.M., Kippenes-Skogmo, H., Nilsson, E., 2009, Imaging diagnosis - Enostosis-like lesion in the femur of a horse. *Veterinary Radiology and Ultrasound* 50, 509-512.
- Ström Holst, B., Frössling, J., 2009, The Swedish breeding cat: population description, infectious diseases and reproductive performance evaluated by a questionnaire. *Journal of Feline Medicine and Surgery* 11, 793-802.
- Strömquist, A., Fahlman, Å., Arnemo, J.M., Pettersson, A., 2009, Dental and Periodontal Health in Free-Ranging Swedish Brown Bears (*Ursus arctos*). *Journal of Comparative Pathology* 141, 170-176.
- Stuen, S., Torsteinbo, W.O., Bergström, K., Bardsen, K., 2009, Superinfection occurs in *Anaplasma phagocytophilum* infected sheep irrespective of infection phase and protection status. *Acta Veterinaria Scandinavica* 51, 41.
- Szeleczy, Z., Dán, A., Ursu, K., Ivanics, E., Kiss, I., Erdelyi, K., Belák, S., Muller, C.P., Brown, I.H., Balint, A., 2009, Four different sublineages of highly pathogenic avian influenza H5N1 introduced in Hungary in 2006-2007. *Veterinary Microbiology* 139, 24-33.
- Thorberg, B.M., Danielsson-Tham, M.L., Emanuelson, U., Waller, K.P., 2009, Bovine subclinical mastitis caused by different types of coagulase-negative staphylococci. *Journal of Dairy Science* 92, 4962-4970.
- Thorn, H.A., Hedeland, M., Bondesson, U., Knutson, L., Yasin, M., Dickinson, P., Lennernas, H., 2009, Different Effects of Ketoconazole on the Stereoselective First-Pass Metabolism of R/S-Verapamil in the Intestine and the Liver: Important for the Mechanistic Understanding of First-Pass Drug-Drug Interactions. *Drug Metabolism and Disposition* 37, 2186-2196.
- Vatta, A.F., Githiori, J.B., Waller, P.J., Medley, G.F., 2009, Anthelmintic efficacy of copper oxide wire particles against artificial *Haemonchus contortus*

- infections in indigenous Zulu goats. *Journal of the South African Veterinary Association-Tydskrif Van Die Suid-Afrikaanse Veterinere Vereniging* 80, 125-125.
- Vatta, A.F., Waller, P.J., Githiori, J.B., Medley, G.F., 2009, The potential to control *Haemonchus contortus* in indigenous South African goats with copper oxide wire particles. *Veterinary Parasitology* 162, 306-313.
- Wallgren, P., Brunborg, I.M., Blomqvist, G., Bergström, G., Wikström, F., Allan, G., Fossum, C., Jonassen, C.M., 2009a, The index herd with PMWS in Sweden: Presence of serum amyloid A, circovirus 2 viral load and antibody levels in healthy and PMWS-affected pigs. *European Business Review* 21.
- Wallgren, P., Brunborg, I.M., Blomqvist, G., Bergström, G., Wikström, F., Allan, G., Fossum, C., Jonassen, C.M., 2009b, The index herd with PMWS in Sweden: Presence of serum amyloid A, circovirus 2 viral load and antibody levels in healthy and PMWS-affected pigs. *Acta Veterinaria Scandinavica* 51(1), art. no. 13.
- Vasickova, P., Psikal, I., Widén, F., Smitalova, R., Bendova, J., Pavlik, I., Kralik, P., 2009, Detection and genetic characterisation of Hepatitis E virus in Czech pig production herds. *Research in Veterinary Science* 87, 143-148.
- Wattrang, E., 2009, Phosphorothioate oligodeoxyribonucleotides induce in vitro proliferation of chicken B-cells. *Veterinary Immunology and Immunopathology* 131, 218-228.
- Wickström, E., Persson-Waller, K., Lindmark-Månsson, H., Ostensson, K., Sternesjö, A., 2009, Relationship between somatic cell count, polymorphonuclear leucocyte count and quality parameters in bovine bulk tank milk. *Journal of Dairy Research* 76, 195-201.
- Winker, M., Vinnerås, B., Muskulus, A., Arnold, U., Clemens, J., 2009, Fertiliser products from new sanitation systems: Their potential values and risks. *Bioresource Technology* 100, 4090-4096.
- Vinnerås, B., Hedenkvist, M., Nordin, A., Wilhelmson, A., 2009, Peepoo bag: self-sanitising single use biodegradable toilet. *Water Science and Technology* 59, 1743-1749.
- Yacoub, A., Kiss, I., Zohari, S., Hakhverdyan, M., Czifra, G., Mohamed, N., Gyarmati, P., Blomberg, J., Belák, S., 2009, The rapid molecular subtyping and pathotyping of avian influenza viruses. *Journal of Virological Methods* 156, 157-161.
- Yen-Phi, V.T., Clemens, J., Rechenburg, A., Vinnerås, B., Lenssen, C., Kistemann, T., 2009, Hygienic effects and gas production of plastic bio-digesters under tropical conditions. *Journal of Water and Health* 7, 590-596.
- Zohari, S., Gyarmati, P., Ejdersund, A., Berglöf, U., Thorén, P., Ehrenberg, M., Czifra, G., Belák, S., Waldenström, J., Olsen, B., Berg, M., 2009, Phylogenetic analysis of the non-structural (NS) gene of influenza A viruses isolated from mallards in Northern Europe in 2005. *Virology Journal* 5, art. no. 147.
- Zoric, M., Nilsson, E., Lundeheim, N., Wallgren, P., 2009, Incidence of lameness and abrasions in piglets in identical farrowing pens with four different types of floor. *Acta Veterinaria Scandinavica* 51(1), art. no. 23.

- Åberg, A.T., Olsson, C., Bondesson, U., Hedeland, M., 2009, A mass spectrometric study on meloxicam metabolism in horses and the fungus *Cunninghamella elegans*, and the relevance of this microbial system as a model of drug metabolism in the horse. *Journal of Mass Spectrometry* 44, 1026-1037.
- Åkerstedt, M., Waller, K.P., Sternesjö, A., 2009, Haptoglobin and serum amyloid A in bulk tank milk in relation to raw milk quality. *Journal of Dairy Research* 76, 483-489.
- Åhman, S.E., Bergström, K.E., 2009, Cutaneous carriage of *Malassezia* species in healthy and seborrhoeic Sphynx cats and a comparison to carriage in Devon Rex cats. *Journal of Feline Medicine and Surgery* 11, 970-976.
- Österberg, J., Lewerin, S.S., Wallgren, P., 2009, Patterns of excretion and antibody responses of pigs inoculated with *Salmonella* Derby and *Salmonella* Cubana. *Veterinary Record* 165, 404-408.