



# Molecular tools for surveillance

Nigel French

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# Publications

1. Mullner, P, Shadbolt, T, Collins-Emerson, JM, Midwinter, AC, Spencer, S, Marshall, J, Carter, P, Campbell, D, Wilson, DJ, Hathaway, S, Pirie, R, and French, NP. Molecular and spatial epidemiology of human campylobacteriosis - source association and genotype-related risk factors, ***Epidemiology and Infection* 2010** in press .
2. Mullner, P, Collins-Emerson, JM, Midwinter, Philip Carter<sup>3</sup>, Simon E. F. Spencer, Peter van der Logt<sup>2</sup>, Steve Hathaway<sup>2</sup>, Nigel French<sup>1</sup> Molecular epidemiology of *Campylobacter jejuni* in a geographically isolated country with a uniquely structured poultry industry. ***Applied and Environmental Microbiology*, 2010** in press
3. Hotter, G. S. Li I. H., and French N. P.. Binary genotyping using lipooligosaccharide biosynthesis genes distinguishes between *Campylobacter jejuni* isolates within poultry-associated multilocus sequence type. ***Epidemiology and Infection*, 2010** in press available on-line.
4. Mullner P, Spencer, SEF, Daniel J. Wilson, Geoff Jones, Alasdair D. Noble, Anne C. Midwinter, Julie M. Collins-Emerson, Philip Carter, Steve Hathaway, Nigel P. French. Assigning the source of human campylobacteriosis in New Zealand: A comparative genetic and epidemiological approach. **2009 *Infection, Genetics and Evolution* 9: 1311-9**
5. Carter PE, McTavish SM, Brooks HJ, Campbell D, Collins-Emerson JM, Midwinter AC, French NP. Novel clonal complexes with unknown animal reservoir dominate *Campylobacter jejuni* isolated from river water in New Zealand. ***Applied and Environmental Microbiology*. 2009 75: 6038-46**
6. McTavish SM, Pope CE, Nicol C, Campbell, D, French N and Carter PE Multilocus Sequence Typing of *Campylobacter jejuni*, and the Correlation between Clonal Complex and Pulsed-field Gel Electrophoresis Macrorestriction Profile. **2009 *FEMS Microbiology Letters* 298(2):149-56**
7. French, N.P., Midwinter, A., Holland, B., Collins-Emerson, J., Pattison, R., Colles, F.M., and Carter, P., Molecular epidemiology of *Campylobacter jejuni* isolated from wild bird faecal material in children's playgrounds. ***Applied and Environmental Microbiology*, 2009. 75(3): p. 779-83.**
8. Mullner, P., Jones, G., Noble, A., Spencer, S., Hathaway, S., and French, N.P., Source Attribution of Food Borne Zoonosis in New Zealand: A Modified Hald Model. ***Risk Analysis*, 2009. 29(7):970-84.**
9. Grove-White, D.H. Leatherbarrow, A.J.H., Cripps, P.J. Diggle, P.J. and French N.P. Temporal and farm management associated variation in the faecal pat prevalence of *Campylobacter jejuni* in ruminants in three zones in Lancashire. ***Epidemiology and Infection*, 2010** in press

- + NZFSA website – science for number of reports

