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Address for correspondence: Reinhold Kittelberger, Animal Health Laboratory, Investigation and Diagnostic Centre & Response, Biosecurity New Zealand, 66 Ward St, Upper Hutt 5018, New Zealand; email: reinhold.kittelberger@maf.govt.nz

In Response: Dr Kittelberger comments on our recent report of 2 cows in Switzerland that were classified as positive for bovine spongiform encephalopathy (BSE), according to the established criteria (1,2). He raises concerns that the unusual prion protein signature in Western blot (WB) in these cows represents a physiologic prion protein (PrP^C) fragment, inefficiently degraded by proteinase K (PK), termed C1. Certainly the effects of tissue autolysis on PK activity and the molecular prion protein signature are of particular concern and deserve full consideration in data interpretation. In our study, molecular mass comparisons between PrP^C in non-PK-treated brain tissue of healthy cattle and the prion protein in samples from the 2 aberrant cows with BSE in WB were considerably hindered by overlapping C1- and full-length PrP^C bands in the non-PK-

treated samples and did not allow for a robust conclusion (T. Seuberlich, unpub. data). It is noteworthy that the Prionics Check WESTERN (Prionics, Zurich, Switzerland) test has been extensively validated in terms of the diagnostic specificity, also on severely autolytic specimens (3–5). In none of these studies was a similar prion protein signature observed. We therefore considered it unlikely that the findings in the cases from Switzerland resulted from tissue autolysis.

Dr Kittelberger provides data from New Zealand cattle that revealed a similar prion protein signature in WB. He assumes that these animals had a negative BSE status and that the PK digestion in the WB did not work properly, which is supported by results from other diagnostic techniques. However, information about the degree of autolysis of these samples is missing, and, most notably, whether these findings are correlated with prion infectivity is not known. Strikingly, in contrast to the results for the samples from Switzerland, the samples from New Zealand are reported to be negative in the Prionics Check WESTERN. It would be fascinating to perform a side-by-side analysis of the samples from Switzerland and from New Zealand to determine whether the banding characteristics in both groups are identical. Studies are under way in our laboratory to further investigate the effect of tissue autolysis on PK activity and PrP^C degradation under experimental conditions. If our findings turn out to be the result of inhibited PK activity in BSE-negative cattle samples, the current diagnostic criteria might require revision. As long as the results of these experiments and

the ongoing transmission studies are not available, we can neither confirm nor reject a novel type of BSE.

Torsten Seuberlich

Author affiliation: University of Berne, Berne, Switzerland

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Address for correspondence: Torsten Seuberlich, NeuroCentre, National and OIE Reference Laboratories for BSE and Scrapie, University of Berne, Bremgartenstrasse 109a, CH- 3001 Berne, Switzerland; email: torsten.seuberlich@vetsuisse.unibe.ch

Correction, Vol. 18 No. 1

Author Henry J.C. de Vries' initials were listed incorrectly in Cutaneous Leishmaniasis Acquired in Jura, France (W.R. Faber et al.). The article has been corrected online (wwwnc.cdc.gov/eid/article/18/1/11-0408_article.htm).

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Correction, Vol. 18 No. 2

Author Richard Njouom's surname was misspelled in High Seroprevalence of Enterovirus Infections in Apes and Old World Monkeys (H. Harvala et al.). The article has been corrected online (wwwnc.cdc.gov/eid/article/18/2/11-1363_article.htm).

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