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Controlling bovine paratuberculosis at a regional scale: towards a decision modelling tool

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Highlights

- Efficacy of control strategies assessed using a metapopulation model of Map spread.
- Real data on animal movements used to describe trade links between holdings.
- Biosecurity and testing of traded cattle explored by analysing intensive simulations.
- Relevant combinations of control measures decreasing the regional prevalence identified.
- Paratuberculosis eradication on the midterm using available measures not achievable.

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