**Supporting information**

**Text S1. The data set for Bayesian latent class models**

This is the data set for Bayesian latent class models. The first, second, third, fourth, and fifth columns are the results of blood culture for *O. tsutsugamushi*, a combination of PCR assays, IFA IgM, Panbio ICT IgM, and presence of an eschar. The sixth, seventh, eighth, ninth, tenth, eleventh and twelfth columns are the results of nested 56kDa-based PCR assay, 47kDa-based real-time PCR assay, *GroEL*-based real-time PCR assay, STIC, a combination of PanBio ICT IgM and presence of eschar, a combination of *GroEL*-based real-time PCR assay and PanBio ICT IgM, and a combination of *GroEL*-based real-time PCR assay and presence of eschar, respectively: 1 = positive result and 0 = negative result. Each row represents each participant.

# Data

list(y=structure(

.Data=c(

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),.Dim=c(32,5)))