Reviewer's report

Title: Clinical and microbiological characteristics of bloodstream infections due to AmpC beta-lactamase producing Enterobacteriaceae: An active surveillance cohort in a large centralized Canadian region.

Version: 4 Date: 5 November 2014

Reviewer: Yasufumi Matsumura

Reviewer’s report:

The authors properly responded to my questions. The following two points seemed remained.

Minor Essential Revisions
1. Line 287. Please remove a conclusion of avoiding oxyimino-cephalosporin for previous treatment history, as I suggested before and the authors stated to do in the response letter.

Discretionary Revisions
2. The study design.
   The authors answered a question regarding the detection of chromosomal AmpC and they cannot change the design due to the laboratory policy for not reporting beta-lactams for potential AmpC producers. I agree with the authors and their answer sounds appropriate. However, the readers who do not know Calgary Laboratory practice would confuse and the design may seem a little bit inappropriate (exactly, this study investigated “potential” AmpC-producing Enterobacteriaceae isolates). Thus, please consider moving the description of Calgary Laboratory Practice (lines 251 to 257) and the authors’ response to my question to Background section. Please also consider to include the meaning of targeting potential AmpC-producers, in the main objectives (limes 92-95).

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.