Reviewer’s report

Title: High prevalence of diarrheagenic Escherichia coli carrying toxin-encoding genes isolated from children and adults in southeastern Brazil

Version: 0 Date: 26 Jun 2017

Reviewer: J Castro-Rosas

Reviewer’s report:

The document named "High prevalence of diarrheagenic Escherichia coli carrying toxin-encoding genes isolated from children and adults in southeastern Brazil" has information that could interesting to the scientific community. However, there are some concerns:

In this work, in addition to the E. coli pathotypes, the presence of Salmonella, Shigella and some parasites was also investigated. However, they are not mentioned in the title, in the abstract, in the introduction or in the results discussion. Furthermore, the methodology used for they isolation and identification is not described. It is necessary to include in the article all the information that corresponds to these pathogenic organisms.

On the other hand, there was not discussion of the results of antibiotic resistance or its implications or importance. All this must be approached from the Introduction section and discussed in detail in the article, and considered in the conclusion.

Minor comments

Throughout the materials and methods section give the names of manufacturers of culture media and reagents

Lines 88-91 give a reference of sampling method

Lines 94-100, Describe the procedure that was used to isolate, identify and confirm the presence of Salmonella and Shigella in samples, as well as the procedure to identify the parasites.

Lines 127-129, Describe the origin of the strains

Lines 134-137, Describe the origin of the strains

Lines 150 - 159, Describe briefly the method of disc diffusion method

Lines 212-214, these lines are not clear.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.
No

**Does the work include the necessary controls?**
If not, please specify which controls are required in your comments to the authors.

Yes

**Are the conclusions drawn adequately supported by the data shown?**
If not, please explain in your comments to the authors.

No

**Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?**
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics

**Quality of written English**
Please indicate the quality of language in the manuscript:

Acceptable

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