



SDI Review Form 1.6

Journal Name:	International Journal of TROPICAL DISEASE & Health
Manuscript Number:	Ms_IJTDH_38538
Title of the Manuscript:	Antimicrobial susceptibility profiles and molecular Characterization of Salmonella isolated from fecal matter of Cattle in Chiang Mai, Thailand and their relatedness to human Salmonella isolates
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	The manuscript title conveys the content adequately. However, a modification is suggested as; "Antibiotic susceptibilities, molecular characterization of <i>Salmonella</i> from cattle faeces in Chiang Mai, Thailand and their genetic relatedness to clinical isolates." <u>Introduction</u>: Please recast the aim as, "to determine prevalence, serotype, antibiotic susceptibilities and genetic relatedness to clinical isolates, of <i>Salmonella</i> from the faeces of healthy slaughtered cattle in Chiang Mai, Thailand." Line 68; do the authors infer that improper condition of slaughtering enhances resistance ability of <i>Salmonella</i> or rather transfer of resistant phenotypes? <u>Method</u>: lines 94-102; the isolation involves three steps as follows; 1)..... 2)..... 3)..... Line 143; the version and reference of MEGA software used should be given please. Line 145; antibiotic susceptibility testing was performed using..... <u>Results</u>: <i>Salmonella</i> prevalence and serotypes (please tabulate). Phylogenetic analysis: the authors should state clearly, how many clades were defined and their degrees of relatedness. Fig 1. Lines 197, 198; Lane 1 of gel picture should be 100 bp DNA ladder and NOT 1000 bp. Fig 1. Agarose gel electrophoresis of 16S rRNA gene..... Line 205; antibiotic resistance was determined..... Ethical issue: The study cattle being slaughtered notwithstanding, there is still need to obtain approval from relevant animal experimentation ethical committee.	We thank the reviewer for the comments. We have modified the manuscript to <u>Title</u> "Antibiotic susceptibilities, molecular Characterization of <i>Salmonella</i> from Cattle faeces in Chiang Mai, Thailand and their genetic relatedness to clinical isolates" <u>Introduction</u> " The purpose of this study was to determine the prevalence, serotype, antibiotic susceptibilities and genetic relatedness to clinical isolates, of <i>Salmonella</i> from the faeces of healthy slaughtered cattle in Chiang Mai, Thailand. " We have modified line 68 to "Improper condition of slaughtering process was also considered as a factor enhancing resistant ability of <i>Salmonella</i>." <u>Method</u> We have modified the method as recommended. We have given reference MEGA software and modified line 145 as recommended. <u>Result</u> We added the Table for <i>Salmonella</i> prevalence and serotypes. We have defined degrees of relatedness and number of clades as highlighted. We also revised Figure 1. to "Agarose gel analysis of 16S rRNA gene of <i>Salmonella</i> isolates demonstrating the pattern of positive results. Lane 1: 100 bp, Lane 2: Positive control Lane 3,4 : <i>S.Typhimurium</i> Lane 5,6 : <i>S. Enteritidis</i> Lane 7,8 : <i>S. S.Weltevreden</i> " We modified line 205 as recommended. Ethical issue: The fecal samples were obtained from Chiang Mai municipal slaughter house complex. The samples were routinely used for helminths disease surveillance. We were advised by certified veterinarian that no need for animal experimentation ethical committee approval.
Minor REVISION comments		
Optional/General comments		