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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 33133

Title: Helicobacter pylori BabA in adaptation for gastric colonization

Reviewer's code: 02535953

Reviewer's country: Taiwan

Science editor: Yuan Qi

Date sent for review: 2017-02-18

Date reviewed: 2017-03-06

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

BabA is one of the significant protein involving in many inflammatory processes. In this review, authors gather and summarize the recent data published in pubmed indexed journals. This review provides a depth insight into the BabA, its paralogs, its function, its production and its role in the development of gastric complications, which makes it easy to understand the concept.

PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 33133

Title: Helicobacter pylori BabA in adaptation for gastric colonization

Reviewer's code: 02535938

Reviewer's country: Iran

Science editor: Yuan Qi

Date sent for review: 2017-02-18

Date reviewed: 2017-03-07

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good		<input type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
		BPG Search:	<input checked="" type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

Abstract needs to be completed by adding methods and conclusion. Introduction part contains the information which we can find in text books. There is only one paragraph related to topic and babA. Is it systematic review? How many papers did they study? which years? from where? Just pubmed? Is information of the Table 1 gathered from NCBI? please add reference. Table 2 is epidemiologic information which is not related to the topic. Fig 1 needs reference. Homologous recombination and bab chimera formation contains the information that we can find in textbooks. It is not necessary to define and explain homologous recombination. Paragraph one and two are extra and should be deleted. The same as above for Slipped strand mispairing and phase variation part. Fig 3 Mechanism of mis pairing? it is not necessary. just references is enough. "In H. pylori, the babB contains CT repeats that may recombine with babA or babC to form chimeric genes. Backstrom et al. reported that the strains with ON status contained 8-CT repeats whereas OFF phenotypes contained 7 or 9 CT repeats. The gain or loss of one CT pair creates frame shifts and loss of expression of babA[35]. In a study,



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the BabA expression was lost during the experimental infection in rhesus macaques by phase variation or allele replacement with BabB and in subsequent follow up study in mouse, the BabA expression was found to be lost due to phase variation in 5'-CT repeat regions of H. pylori strain J166[39]. The Leb binding clones from OFF to ON phase conversion express BabA adhesins that are functionally equivalent to the wild type but the quantity of BabA adhesins less abundant than the wild type[35]." This is the related part to H.pylori and bab . As a whole The authors gathered papers but I did not reach to the new idea .They pointed out the molecular and prevalence and the 2 molecular mechanism slip strand and homologous recombination . The manuscript needs reorganization and rewrite . It needs english polishing .