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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 14637

**Title:** TLR2 and TLJing Yu polymorphisms influences mRNA and protein expression in colorectal cancer

**Reviewer's code:** 00503512

**Reviewer's country:** Canada

**Science editor:** Jing Yu

**Date sent for review:** 2014-10-18 15:13

**Date reviewed:** 2014-11-05 06:38

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

### COMMENTS TO AUTHORS

The study by Proenca et al. explores the role of TRL2 and TRL4 polymorphism and colorectal cancer risk. The article is meaningful and well written. I would suggest to accept, pending minor changes: Methods: nucleic acid extraction, please specify the modifications to the quoted protocol Figures: please clearly indicate in each figure which comparison is statistically significant (e.g. with a star) Are TRL2 mRNA and protein levels significantly correlated?



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 14637

**Title:** TLR2 and TLJing Yu polymorphisms influences mRNA and protein expression in colorectal cancer

**Reviewer's code:** 03003588

**Reviewer's country:** Turkey

**Science editor:** Jing Yu

**Date sent for review:** 2014-10-18 15:13

**Date reviewed:** 2014-12-01 21:31

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

### COMMENTS TO AUTHORS

Thank for your efforts,the topics seems original however your articles needs some modifications.

## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**ESPS manuscript NO:** 14637

**Title:** TLR2 and TLJing Yu polymorphisms influences mRNA and protein expression in colorectal cancer

**Reviewer's code:** 02903715

**Reviewer's country:** China

**Science editor:** Jing Yu

**Date sent for review:** 2014-10-18 15:13

**Date reviewed:** 2014-10-29 10:04

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

### COMMENTS TO AUTHORS

This study examined the effect of promoter region polymorphisms TLR2-196 to -174del and TLR4-1607T/C(rs10759932) on mRNA and protein expression in tumor tissue and also of TLR4+896A/G(rs4986790) on colorectal cancer(CRC) risk in a Brazilian population. The author identified TLR2-196 to -174del was associated with increased CRC risk. However, there are some limitations in the manuscript, which may greatly affect the quality of the paper. 1. Study populations: "The case group (CRC) consisted of 194 samples from patients with a confirmed diagnosis of sporadic CRC by clinical histopathological parameters, 160 of which were studied based on samples of peripheral blood and 40 on samples of biopsies or surgical fragments and their respective norma adjacent mucosa (105 men and 89 women; mean age: 62 ±12 years)", the total sample size (194 or 200?) is inconsistent according to the description. 2. In page 10, line 22, "However, no association with gastric cancer was found in the Japanese population, nor did we find any studies reporting the presence of this polymorphism in CCR", "CCR" should be "CRC". 3. The sample size in this study is only 194 cases and 240 controls, I believe the sample size is relatively small, please



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provide the power of such sample size in discovering the differences between groups. 4. PCR-RFLP is a relatively simple method for genotyping, but this method is not so reliable for the judgment of genotypes. Please discuss the limitation of such method in the manuscript. 5. What is the distributions of primary information, such as age and gender, between cases and controls? No any adjustment was conducted for the analysis and some bias might affect the results.