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## PEER-REVIEW REPORT

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

**Manuscript NO:** 37600

**Title:** Role of Protein Tyrosine Phosphatase Non-receptor type 2 and 22 (PTPN2/22) polymorphisms in pathophysiology of Crohn's disease

**Reviewer's code:** 02486710

**Reviewer's country:** United States

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-12-21

**Date reviewed:** 2017-12-21

**Review time:** 13 Hours

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 type="checkbox"/> Grade B: Minor language polishing	<input 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 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 type="checkbox"/> No	

### COMMENTS TO AUTHORS

- A novel paper evaluating the SNPs in both PTPN2/22 together along with correlation with gene expression and MAP susceptibility in CD.
- Introduction is too long. It includes too much information which looks confusing.
- Have you evaluated severity of CD on the outcomes? Does extend of the CD effect outcomes?



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**Manuscript NO:** 37600

**Title:** Role of Protein Tyrosine Phosphatase Non-receptor type 2 and 22 (PTPN2/22) polymorphisms in pathophysiology of Crohn’s disease

**Reviewer’s code:** 02440884

**Reviewer’s country:** Germany

**Science editor:** Ya-Juan Ma

**Date sent for review:** 2017-12-21

**Date reviewed:** 2017-12-21

**Review time:** 14 Hours

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 type="checkbox"/> Grade B: Minor language polishing	<input 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 type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
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		<input type="checkbox"/> Plagiarism	
		<input type="checkbox"/> No	

**COMMENTS TO AUTHORS**

In the experimental study the role of PTPN2/22 polymorphisms in the negative regulation of the immune response in CD patients and their susceptibility to mycobacteria is addressed. The nice study is well performed and illustrated. Comments 1. A characterization of the blood T-cells could be helpful. Is there any FACS data available? 2. The authors describe an impaired T-cell proliferation in blood. Evidence for an impaired mucosal immune system is not fully given. This point should be addressed in the Discussion section.