

Review Form 1.6

Journal Name:	Asian Journal of Biochemistry, Genetics and Molecular Biology
Manuscript Number:	Ms_AJBGMB_84589
Title of the Manuscript:	Prevalence of three prothrombotic genes polymorphisms: Factor II, Factor V and MTHFR in referred population of Gujarat.
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:

(<https://www.journalajbgmb.com/index.php/AJBGMB/editorial-policy>)

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)
<u>Compulsory</u> REVISION comments	<ol style="list-style-type: none">1. Define VTE in the abstract.2. Major issue of this manuscript is lack of statistical analysis. This study need the description and detailed method of statistical tools used, criteria of determination of significance of the difference.3. What are the normal frequencies of the minor alleles of these polymorphisms in HapMap?4. What is the haplotype frequency and linkage of these polymorphisms?5. What are the clinical parameters in the corresponding patients that may be associated with the alleles?6. This manuscript needs a major editing related to statistical analyses of the data.	<ol style="list-style-type: none">1. VTE is defined with its full form in the abstract.2. Statistical analysis part is included in method section. Differences in mutation prevalence between gender were tested for heterogeneity by the chi-square test using PSPP software.3. NCBI dbSNP ALFA frequency and 1000Genomes project frequency are used here to compare it with observed frequency obtained in the current study.4. Haplotype frequency is calculated, described in Results section with Table-4. Linkage equilibrium is studied using LDlink-LDmatrix tool which use the data from 1000Genomes projects. Linkage study is also described in Result section along with Figure-3.5. This comment is appreciated but due to lack of sufficient data for clinical parameters, correlation study of mutation with clinical parameters could not be performed.6. The statistical analysis part is included and manuscript is revised accordingly.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments		

PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	