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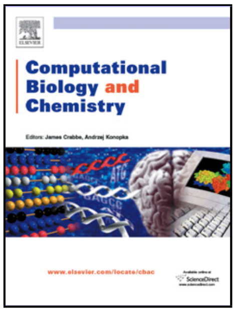

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Title Page

Comprehensive analysis of damage associated SNPs of MMP9 gene: A computational approach

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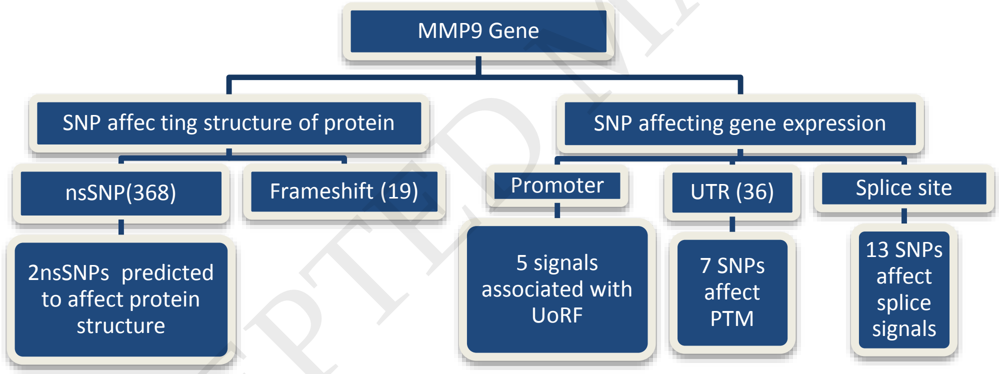
Graphical abstract



Highlights:

- MMP9 is a matrix metalloproteinase of Gelatinases family involved in the metabolism of collagen.
- MMP 9 levels and polymorphisms has been associated with a number of disorders but majority of SNPs are still uncharacterized in their disease causing potential thereby it is necessary to figure out deleterious SNPs from the neutral ones.
- Present study is based on in-silico analysis that offer advantage over the lab based characterization because of their convenience, speed, and of lower cost to find such variants that have the potential to regulate the structure and function of MMP9 protein