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Title: Prevalence of mutations in genes associated with isoniazid resistance *Mycobacterium tuberculosis* isolates from retreated smear positive pulmonary tuberculosis patients: A Meta-analysis

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Prevalence of mutations in genes associated with isoniazid resistance  
*Mycobacterium tuberculosis* isolates from retreated smear positive pulmonary  
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Running title: Prevalence of MDR Tuberculosis

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#### Highlights

- Total 71.0% mutations were observed in katG region whereas which is more prevalent in comparison with *inhA* gene 29.0%
- The most frequent mutations (63%) were observed in MUT1probe of katG gene
- Total 19.9% mutations were observed in inhA promotor region

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