## **Accepted Manuscript**

IL-6 and IL-18 cytokine gene variants of pulmonary tuberculosis patients with co-morbid diabetes mellitus and their household contacts in Hyderabad

Meenakshi Ponnana, Ramya Sivangala, Lavanya Joshi, Vijayalakshmi Valluri, Sumanlatha Gaddam

PII: S0378-1119(17)30496-1

DOI: doi: 10.1016/j.gene.2017.06.046

Reference: GENE 42009

To appear in: Gene

Received date: 11 January 2017 Revised date: 15 June 2017 Accepted date: 22 June 2017

Please cite this article as: Meenakshi Ponnana, Ramya Sivangala, Lavanya Joshi, Vijayalakshmi Valluri, Sumanlatha Gaddam, IL-6 and IL-18 cytokine gene variants of pulmonary tuberculosis patients with co-morbid diabetes mellitus and their household contacts in Hyderabad, *Gene* (2017), doi: 10.1016/j.gene.2017.06.046

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



# **ACCEPTED MANUSCRIPT**

### **Title**

IL-6 and IL-18 Cytokine gene variants of pulmonary tuberculosis patients with co-morbid Diabetes mellitus and their household contacts in Hyderabad

Meenakshi Ponnana<sup>1</sup>, Ramya Sivangala<sup>1</sup>, Lavanya Joshi<sup>1</sup>, Vijayalakshmi Valluri<sup>1</sup>, Sumanlatha Gaddam<sup>1,2\*</sup>

<sup>1</sup> Department of Immunology, Bhagwan Mahavir Medical Research Center, Hyderabad, India

<sup>2</sup> Department of Genetics, Osmania University, Hyderabad, India

## **Short Title**

IL-6 and IL-18 association in TBDM and their HHC

## \* Corresponding author

## Dr. G. Suman Latha,

Scientist,

Immunology Department,

Bhagwan Mahavir Medical Research Centre, 10-1-1, A.C. Guards,

Hyderabad, Andhra Pradesh-500 004, India.

Phone no: 040- 23497303

E-mail: sumanlathag@yahoo.com; sumanlathag26@gmail.com

### **Abbreviations**

IL-6- Interleukin 6, IL-18 – Interleukin 18, TBDM- tuberculosis patients with Diabetes mellitus, PTB- Pulmonary tuberculosis, DM- Diabetes mellitus, HHC- household contacts, MDR- multidimensionality reduction, PPM- public private mix

## Download English Version:

# https://daneshyari.com/en/article/5589640

Download Persian Version:

https://daneshyari.com/article/5589640

<u>Daneshyari.com</u>