

DOI: [10.4081/monaldi.2023.2594](https://doi.org/10.4081/monaldi.2023.2594)

Association of *IL4RA* and *IL-8* polymorphism in predicting susceptibility towards tuberculosis

**Jyothish K,¹ Jawahar Lal Joshi,¹ Heena Kansal,² Vishal Chopra,¹ Kranti Garg,¹
Nidhi Girdhar,¹ Karan Sharma,¹ Rishabh Deshwal,¹ Siddharth Sharma²**

1 Department of Pulmonary Medicine, Government Medical College, Tuberculosis and Chest Diseases Hospital, Patiala, Punjab

2 Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, Punjab, India

Corresponding Author: Siddharth Sharma, PhD, Department of Biotechnology, Thapar Institute of Engineering and Technology, Patiala, India. E-mail: Siddharthsharma.phd@thapar.edu

Key words: tuberculosis; polymorphism; *IL-8* +781 C/T; *IL-4* RA Q576R.

Supplementary Table 1. Combinatorial analysis of *IL-4RA* and *IL-8*.

	Controls	Cases	OR*	p[#]	AOR° (95% CI)	p[§]
W	82	86	1.00(Reference)	-	1.00(Reference)	-
(H+M)	84	68	0.771	0.248	0.929 (0.58-1.47)	0.75
		Male				
W	48	52	1.00 (Reference)	-	1.00(Reference)	-
(H+M)	50	41	0.89	0.72	0.92(0.50-1.71)	0.80
		Female				
W	34	34	1.00 (Reference)	-	1.00(Reference)	-
(H+M)	34	27	0.46	0.25	0.60 (0.29-1.23)	0.16

*Odds ratio, 95% confidence intervals; [#]corresponding p-values were calculated by logistic regression analysis; [°]adjusted odds ratio, 95% confidence interval calculated; [§]p-value after being adjusted.