

# **8p23 beta-defensin copy number determination by single-locus pseudogene-based paralog ratio tests risk bias due to low-frequency sequence variations.**

Zhang X, Müller S, Möller M, Huse K, Taudien S, Book M, Stuber F, Platzer M, Groth M (2014) 8p23 beta-defensin copy number determination by single-locus pseudogene-based paralog ratio tests risk bias due to low-frequency sequence variations. *BMC Genomics* 15, 64-64.

## [Details](#)



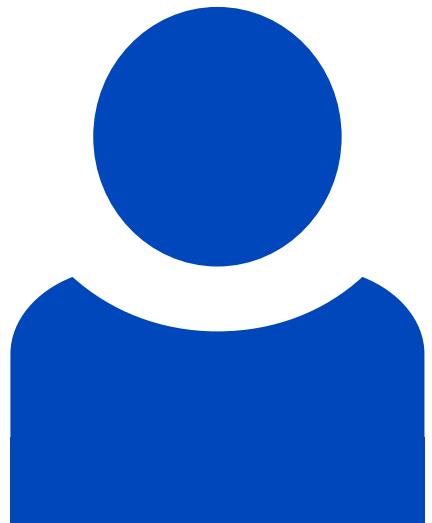
## **Abstract**

The copy number variation (CNV) in beta-defensin genes (DEFB) on human chromosome 8p23 has been proposed to contribute to the phenotypic differences in inflammatory diseases. However, determination of exact DEFB CN is a major challenge in association studies. Quantitative real-time PCR (qPCR), paralog ratio tests (PRT) and multiplex ligation-dependent probe amplification (MLPA) have been extensively used to determine DEFB CN in different laboratories, but inter-method inconsistencies were observed frequently. In this study we asked which one is superior among the three methods for DEFB CN determination.

## Beteiligte Forschungseinheiten

[Microbiome Dynamics](#) Gianni Panagiotou [Mehr erfahren](#)

## Leibniz-HKI-Autor\*innen



Sebastian Müller

[Details](#)

**Identifier**

**doi:** 10.1186/1471-2164-15-64

**PMID:** 24460793