

Identification of cyclophilin as a novel allergen from *Platanus orientalis* pollens by mass spectrometry

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Abstract

Oriental plane trees are an important source of airborne allergens in cities of southwest Asia. In spite of extensive studies on *Platanus acerifolia* allergy, there are no reports on the molecular characterization of pollen allergens from *Platanus orientalis* trees. In this study, a newly recognized member of cyclophilin family with a molecular weight of 18 kDa was identified as being partly responsible for IgE reactivity of *P. orientalis* pollen extract. © 2019 The Society for Biotechnology, Japan.

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