

SUPPLEMENTARY MATERIAL**Supplementary File 2:**

Proteins samples were analyzed by sodium dodecylsulfate polyacrylamide gel electrophoresis (SDS-PAGE), according to Laemmli in 15 % polyacrylamide gels under reducing conditions. Proteins were visualized by Coomassie Brilliant Blue R-250 staining and transferred to polyvinylidene difluoride (PVDF, Trans-blot turbo TM. BIORAD, Hercules, CA, USA). The binding of IgE antibody to allergens was analyzed by western blot using individual patients' (1:5 in PBS T 0,05%) sera and anti-human IgE peroxidase conjugate (Southern Biotech, Birmingham, USA) (1:1000 in PBS T 0,5%). Chemiluminescence detection reagents (Western lightning® Plus-ECL. Perkin Elmer. Waltham, MA, USA) were added following the manufacturer's instructions. IgE binding bands were identified using the BioRad Diversity database program.