A 43-year-old woman was admitted to undergo surgical treatment for right pneumothorax in 2008. She had no noteworthy family history. She was married (non-intermarriage) but did not have any children. Although she had been treated with macrolides for diffuse panbronchiolitis (DPB) with chronic sinusitis since 2003, her disease condition had been progressive (Picture 1). Unlike DPB, Staphylococcus aureus had been mainly detected in her sputum and the chest roentgenogram and computed tomography revealed bronchiectasis predominantly in the upper lobes (Picture 1). The resected lung specimen did not pathologically confirm DPB. Although the sweat chloride test had not been done, she was diagnosed to have forme fruste cystic fibrosis (CF) based on a gene sequence analysis (Ambry Genetics Corporation, Aliso Viejo, CA) of the CF transmembrane conductance regulator (CFTR). Unfortunately, we have not been able to obtain permission from her family or relatives for genetic testing. During the course of disease, she was free of any significant extrapulmonary involvement, such as either pancreatic exocrine insufficiency or meconium ileus. Lung transplantation was considered, however, she eventually died of respiratory failure with a chronic Pseudomonas
aeruginosa infection in 2009. CF is rare in Japan, and this is only the second case which carried both E217G and Q1352H mutations in the CFTR gene (1, 2).

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References