

证书号第5008971号



# 发明专利证书

发明名称：突变型博德特氏菌属菌株及其使用方法

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## Translation of a Patent Certificate

Certificate No. 5008971

### Certificate of Invention Patent

**Title: Mutant Bordetella Strains and Methods for Use**

**Inventor(s): Luis Solans; Camille Locht; Anne Tsicopoulos; Saliha Ait Yahia Sendid**

**Patent No.: ZL 2017800213847**

**Date of Filing: March 29, 2017**

**Patentee(s): Institut Pasteur De Lille; Institut National de la Sante Et de la Recherche Medicale (INSERM)**

**Address: Lille, France**

**Date of grant announcement: March 18, 2022**

**Number of grant announcement: CN109069535B**

The China National Intellectual Property Administration (CNIPA) made examination on this Invention pursuant to the provisions of Patent Law of the People's Republic of China, and now decides to grant the Patent, issue this Certificate and register this Patent in the Patent Register. The Patent takes effect as of the Date of the grant announcement. The term of the Patent is twenty years, counted from the filing date.

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The China National Intellectual Property Administration  
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Commissioner Changyu Shen

March 18, 2022

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The applicant(s) and inventor(s) recorded at the time of filing are as below:

Applicant(s): Institut Pasteur De Lille; Institut National de la Sante Et de la Recherche Medicale (INSERM)

Inventor(s): Luis Solans; Camille Lochet; Anne Tsicopoulos; Saliha Ait Yahia Sendid