



# CERTIFICATE OF GRANT STANDARD PATENT

**Patent number:** 2018353409

The Commissioner of Patents has granted the above patent on 30 October 2025, and certifies that the below particulars have been registered in the Register of Patents.

**Name and address of patentee(s):**

Institut Pasteur de Lille of 1 rue du Professeur A. Calmette, BP 245 59019 Lille Cedex France

Institut National de la Santé et de la Recherche Médicale (INSERM) of 101, rue de Tolbiac 75654 Paris Cedex France

**Title of invention:**

Bordetella strains expressing serotype 3 Fimbriae

**Name of inventor(s):**

DEBRIE, Anne-Sophie; RAZE, Dominique and LOCHT, Camille

**Term of Patent:**

Twenty years from 18 October 2018

**Priority details:**

<b>Number</b>	<b>Date</b>	<b>Filed with</b>
62/574,068	18 October 2017	US



Dated this 30<sup>th</sup> day of October 2025

Commissioner of Patents

## PATENTS ACT 1990

The Australian Patents Register is the official record and should be referred to for the full details pertaining to this IP Right.