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# 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):**

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**Title of invention:**

Bordetella strains expressing serotype 3 Fimbriae

**Name of inventor(s):**

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**Term of Patent:**

Twenty years from 18 October 2018

**Priority details:**

**Number**  
62/574,068

**Date**  
18 October 2017

**Filed with**  
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.