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CERTIFICATE OF GRANT STANDARD PATENT

Patent number: 2017242541

The Commissioner of Patents has granted the above patent on 13 October 2022, 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:

Mutant bordetella strains and methods for use

Name of inventor(s):

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Commissioner of Patents

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