**datasets**

1. Alpha variant (B.1.1.7): Initially identified in the United Kingdom.

<https://www.ncbi.nlm.nih.gov/nuccore/?term=B.1.1.7>

Germany:Mecklenburg-Vorpommern : <https://www.ncbi.nlm.nih.gov/nuccore/OW998408.1>

Germany:Nordrhein-Westfalen : <https://www.ncbi.nlm.nih.gov/nuccore/OX014280.1>

usa : <https://www.ncbi.nlm.nih.gov/nuccore/MZ622450.1>

France : <https://www.ncbi.nlm.nih.gov/nuccore/OQ901974.1>

Germany:Niedersachsen : <https://www.ncbi.nlm.nih.gov/nuccore/OX003177.1>

Canada : <https://www.ncbi.nlm.nih.gov/nuccore/OK413509.1>

1. Beta variant (B.1.351): First identified in South Africa.

<https://www.ncbi.nlm.nih.gov/nuccore/?term=B.1.351>

Germany:Hessen : <https://www.ncbi.nlm.nih.gov/nuccore/OX008586.1>

Germany:Nordrhein-Westfalen : <https://www.ncbi.nlm.nih.gov/nuccore/OX020113.1>

Germany:Schleswig-Holstein : <https://www.ncbi.nlm.nih.gov/nuccore/OX020094.1>

Cameroon : <https://www.ncbi.nlm.nih.gov/nuccore/OQ248286.1>

France : <https://www.ncbi.nlm.nih.gov/nuccore/OR322466.1>

Germany: Bavaria, Bayreuth : <https://www.ncbi.nlm.nih.gov/nuccore/MZ314997.2>

Philippines: Paco, Manila City : <https://www.ncbi.nlm.nih.gov/nuccore/MZ068159.1>

USA : <https://www.ncbi.nlm.nih.gov/nuccore/MZ345001.1>

1. Gamma variant (P.1): First identified in Brazil.
2. Delta variant (B.1.617.2): First identified in India.

<https://www.ncbi.nlm.nih.gov/nuccore/?term=B.1.617.2>

Germany:Nordrhein-Westfalen : <https://www.ncbi.nlm.nih.gov/nuccore/OX014251.1>

Germany:Baden-Wuerttemberg : <https://www.ncbi.nlm.nih.gov/nuccore/OX012481.1>

Germany:Niedersachsen : <https://www.ncbi.nlm.nih.gov/nuccore/OX001778.1>

Germany:Sachsen : <https://www.ncbi.nlm.nih.gov/nuccore/OX000439.1>

France : <https://www.ncbi.nlm.nih.gov/nuccore/OQ904940.1>

India : <https://www.ncbi.nlm.nih.gov/nuccore/OP295743.1>

USA : <https://www.ncbi.nlm.nih.gov/nuccore/OM471019.1>

1. Omicron variant (B.1.1.529): First identified in South Africa in late 2021. It gained significant attention due to a large number of mutations in the spike protein.

<https://www.ncbi.nlm.nih.gov/nuccore/?term=B.1.1.529>

France : <https://www.ncbi.nlm.nih.gov/nuccore/OR357788.1>

Germany:Baden-Wuerttemberg : <https://www.ncbi.nlm.nih.gov/nuccore/OW996240.1>

Bangladesh : <https://www.ncbi.nlm.nih.gov/nuccore/OM570283.1>

Australia : <https://www.ncbi.nlm.nih.gov/nuccore/OL869974.1>

Belgium : <https://www.ncbi.nlm.nih.gov/nuccore/OL672836.1>