

Spike Protein Mutations

F157S S/P-Mut

S494P S/P-Mut

A701V S/P-Mut

69del S/P-Mut

F888L S/P-Mut

S982A S/P-Mut

D614G S/P-Mut

70del S/P-Mut

G142D S/P-Mut

T1027I S/P-Mut

E484K S/P-Mut

144del S/P-Mut

L18F S/P-Mut

T19R S/P-Mut

E484Q S/P-Mut

A222V S/P-Mut

N450K S/P-Mut

T20N S/P-Mut

F490S S/P-Mut

A570D S/P-Mut

P26S S/P-Mut

T716I S/P-Mut

H655Y S/P-Mut

A653V S/P-Mut

P384L S/P-Mut

T859N S/P-Mut

K417N S/P-Mut

A67V S/P-Mut

Q414K S/P-Mut

T95I S/P-Mut

K417T S/P-Mut

D138Y S/P-Mut

Q613H S/P-Mut

V367F S/P-Mut

L452R S/P-Mut

D215G S/P-Mut

Q677H S/P-Mut

V70F S/P-Mut

N501T S/P-Mut

D253G S/P-Mut

Q957R S/P-Mut

W152C S/P-Mut

N501Y S/P-Mut

D796H S/P-Mut

R158G S/P-Mut

W258L S/P-Mut

P681H S/P-Mut

D80A S/P-Mut

R190S S/P-Mut

Y144T S/P-Mut

P681R S/P-Mut

D80G S/P-Mut

S13I S/P-Mut

Y145S S/P-Mut

R346K S/P-Mut

D950N S/P-Mut

S477N S/P-Mut

Y146N S/P-Mut

T478K S/P-Mut

E154K S/P-Mut

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