

other	
B.1.621	[T95I, Y144S, Y145N, R346K, E484K, N501Y, D614G, P681H, D950N]
B.1.619	[I210T, N440K, E484K, D614G, D936N, S939F, T1027I]
B.1.1.318	[T95I, Y144-, E484K, D614G, P681H, D796H]
B.1.623	[S494P, N501Y, D614G, P681H, K854N, E1111K]
B.1.620	[P26S, H69-, V70-, V126A, Y144-, L242-, A243-, L244-, H245Y, S477N, E484K, D614G, P681H, T1027I, D1118H]
B.1.1.523	[E156-, F157-, R158-, F306L, E484K, S494P, D614G, E780A, D839V, T1027I]
C.36	[S12F, H69-, V70-, W152R, R346S, L452R, D614G, Q677H, A899S]
B.1.214.2	[Q414K, N450K, D614G, T716I]
A.2.5.2	[S13S, G142-, V143-, A222A, L452R, E484E, D614G, Q677Q, P681P, T859T, D950D]
B.1.258.17	[H69-, V70-, L189F, N439K, D614G, V772I]
B.1.575	[S494P, N501N, D614G, P681H, T716I, S982S, D1118D]
R.1	[W152L, E484K, D614G, G769V]
B.1.1.519	[T478K, D614G, P681H, T732A]
A23.1	[F157L, V367F, Q613H, D614D, P681R]
A.27	[L18., L452R, N501Y, D614D, A653V, H655Y, D796Y, G1219V]
C.37=Lambda	[G75V, T76I, R246., S247-, Y248-, L249-, T250-, P251-, G252-, D253-, L452Q, F490S, D614G, T859N]
B.1.617.1=Kappa	[T95., G142., E154., E156E, F157F, R158R, L452R, E484Q, D614G, P681R, Q1071.]
B.1.526.1	[D80G, Y144-, F157S, L452R, D614G, T859N, D950H]
B.1.526.2	[L5., T95I, D253G, S477N, D614G, A701A, Q957R]
B.1.526=Iota	[L5., T95I, D253G, S477., E484., D614G, A701V, Q957Q]
B.1.525=Eta	[Q52R, A67V, H69-, V70-, Y144-, E484K, D614G, Q677H, F888L]
P.2=Zeta	[T95T, K417K, E484K, N501N, D614G, F888F, V1176F]
B.1.429/7=Epsilon	[S13I, W152C, L452R, D614G]
Delta-AY.1	[T19R, V70V, T95I, G142., E156G, F157-, R158-, W258L, K417N, L452R, T478K, D614G, P681R, D950N]
Delta-AY.1	[T19R, V70V, T95I, G142., E156-, F157-, R158G, W258L, K417N, L452R, T478K, D614G, P681R, D950N]
Delta-AY.2	[T19R, V70F, T95., G142., E156G, F157-, R158-, A222V, W258W, K417N, L452R, T478K, D614G, P681R, D950N]
Delta-AY.2	[T19R, V70F, T95., G142., E156-, F157-, R158G, A222V, W258W, K417N, L452R, T478K, D614G, P681R, D950N]
Delta+A222V	[T19R, V70V, T95., G142., E156G, F157-, R158-, A222V, W258W, K417K, L452R, T478K, D614G, P681R, D950N]
Delta+A222V	[T19R, V70V, T95., G142., E156-, F157-, R158G, A222V, W258W, K417K, L452R, T478K, D614G, P681R, D950N]
B.1.617.2=Delta	[T19R, V70V, T95., G142., E156G, F157-, R158-, A222A, W258W, K417K, L452R, T478K, D614G, P681R, D950N]
B.1.617.2=Delta	[T19R, V70V, T95., G142., E156-, F157-, R158G, A222A, W258W, K417K, L452R, T478K, D614G, P681R, D950N]
P.1=Gamma	[L18., T20N, P26S, D138., R190S, K417., E484K, N501Y, D614G, H655Y, T1027I, V1176F]
B.1.351=Beta	[L18., D80A, D215G, L242-, A243-, L244-, K417N, E484K, N501Y, D614G, A701V]
Alpha+T20I	[T20I, H69-, V70-, Y144-, W152W, E484E, F490., N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
Alpha+F490S	[T20T, H69-, V70-, Y144-, W152W, E484E, F490S, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
Alpha+E484K	[T20T, H69-, V70-, Y144-, W152., E484K, F490., N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
Alpha+W152R	[T20T, H69-, V70-, Y144-, W152R, E484., F490., N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
B.1.1.7=Alpha	[T20T, H69-, V70-, Y144-, W152W, E484E, F490F, N501Y, A570D, D614G, P681H, T716T, S982A, D1118H]
B.1.1.7=Alpha	[T20T, H69-, V70-, Y144-, W152W, E484E, F490F, N501Y, A570D, D614G, P681R, T716I, S982A, D1118H]
B.1.1.7=Alpha	[T20T, H69-, V70-, Y144Y, W152W, E484E, F490F, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
B.1.1.7=Alpha	[T20T, H69-, V70-, Y144-, W152W, E484E, F490F, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
Near-Furin	[D614G, Q675*]!
Near-Furin	[D614G, Q677*]!
Near-Furin	[L5., D614G, P681*]!
GV-clade	[L5., L18., D614G, A222V]!
G-clade	[L5., D138Y, D614G]!
G-clade	[L5., T20I, D614G]!
G-clade	[L5., T732A, D614G]!
G-clade	[L5., N439K, D614G]!
G-clade	[L5., N501*, D614G]!
G-clade	[L5., S477N, D614G]!
G-clade	[L5., D614G]!
Ancestral	[]!