

other	
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, T859T, D950D]
B. 1. 258. 17	[H69- , V70- , L189F, N439K, D614G, V772I]
B. 1. 575	[S494P, N501N, D614G, P681H, T716I, S982S, D1118D]
B. 1. 526. 2	[T95I, D253G, S477N, D614G, Q957R]
B. 1. 177	[A222V, A262S, P272L, D614G]
R. 1	[W152L, E484K, D614G, G769V]
B. 1. 1. 284	[M153T, G184S, D614G, Q677H]
B. 1. 526. 1	[D80G, Y144- , F157S, L452R, D614G, T859N, D950H]
B. 1. 1. 519	[T478K, D614G, P681H, T732A]
A23. 1	[F157L, V367F, Q613H, D614D, P681R]
C. 37=Lambda	[G75V, T76I, S247- , Y248- , L249- , T250- , P251- , G252- , L452Q, F490S, D614G, T859N]
A. 27	[L452R, N501Y, D614D, A653V, H655Y, D796Y, G1219V]
P. 3	[G142- , V143- , Y265C, E484K, N501Y, D614G, P681H, E1092K, H1101Y, V1176F]
P. 2=Zeta	[T95T, K417K, E484K, N501N, D614G, F888F, V1176F]
B. 1. 617. 1=Kappa	[E156E, F157F, R158R, L452R, E484Q, D614G, P681R]
B. 1. 525=Eta	[Q52R, A67V, H69- , V70- , Y144- , E484K, D614G, Q677H, F888L]
B. 1. 526=Iota	[T95I, D253G, E484K, D614G, A701V]
B. 1. 429/7=Epsilon	[S13I, W152C, L452R, D614G]
B. 1. 617. 2=Delta	[T19R, E156- , F157- , R158G, L452R, T478K, D614G, P681R, D950N]
P. 1=Gamma	[T20N, P26S, D138Y, R190S, E484K, N501Y, D614G, H655Y, T1027I, V1176F]
B. 1. 351=Beta	[D80A, D215G, L242- , A243- , L244- , K417N, E484K, N501Y, D614G, A701V]
Alpha+E484K	[H69- , V70- , Y144- , E484K, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
Alpha+W152R	[H69- , V70- , Y144- , W152R, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
B. 1. 1. 7=Alpha	[H69- , V70- , Y144- , W152W, E484E, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H]
P681H	[D614G, P681H] !
S477N	[S477N, D614G] !
L5F_GV	[L5F, L18F, A222V, D614G] !
L18F_GV	[L18F, A222V, D614G] !
GV=A222V	[A222V, D614G] !
L5F_G	[L5F, D614G] !
G=D614G	[D614G] !