

other	
Delta+E484Q	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222A,W258W,K417K,L452R,T478K,E484Q,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+E484Q	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222A,W258W,K417K,L452R,T478K,E484Q,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,N679*,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,Q677*,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,Q675*,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,P681H,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,H655Y,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,N679*,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,Q677*,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,Q675*,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,P681H,D950N]
Delta+FurinRelated	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,H655Y,D950N]
Delta+T95_,A222V,V289I	[T19R,V70V,T95T,G142.,E156G,F157-,R158-,A222V,W258W,V289I,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,A222V,V289I	[T19R,V70V,T95T,G142.,E156-,F157-,R158G,A222V,W258W,V289I,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,P251L	[T19R,V70V,T95T,G142.,E156G,F157-,R158-,A222A,P251L,W258W,K417K,L452R,T478K,E484E,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,P251L	[T19R,V70V,T95T,G142.,E156-,F157-,R158G,A222A,P251L,W258W,K417K,L452R,T478K,E484E,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+Y145H,A222V	[T19R,V70V,T95I,G142.,Y145H,E156G,F157-,R158-,A222V,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+Y145H,A222V	[T19R,V70V,T95I,G142.,Y145H,E156-,F157-,R158G,A222V,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,V70F,A222V,K417N	[T19R,V70F,T95.,G142.,E156G,F157-,R158-,A222V,W258W,K417N,L452R,T478K,D614G,P681.,D950N]
Delta+T95_,V70F,A222V,K417N	[T19R,V70F,T95.,G142.,E156-,F157-,R158G,A222V,W258W,K417N,L452R,T478K,D614G,P681.,D950N]
Delta+T29A,T95_,T250I,T299I,Q613H	[T19R,T29A,V70V,T95T,G142.,E156-,F157-,R158G,A222A,T250I,W258W,T299I,K417K,L452R,T478K,E484E,Q613H,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T29A,T95_,T250I,T299I,Q613H	[T19R,T29A,V70V,T95T,G142.,E156G,F157-,R158-,A222A,T250I,W258W,T299I,K417K,L452R,T478K,E484E,Q613H,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T29A,T95_,T250I	[T19R,T29A,V70V,T95T,G142.,E156G,F157-,R158-,A222A,T250I,W258W,T299T,K417K,L452R,T478K,E484E,Q613Q,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T29A,T95_,T250I	[T19R,T29A,V70V,T95T,G142.,E156-,F157-,R158G,A222A,T250I,W258W,T299T,K417K,L452R,T478K,E484E,Q613Q,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+N1074S,V1264L	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,N1074S,V1264L]
Delta+N1074S,V1264L	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,N1074S,V1264L]
Delta+V1264L	[T19R,V70V,T95.,G142.,E156G,F157-,R158-,A222.,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,N1074N,V1264L]
Delta+V1264L	[T19R,V70V,T95.,G142.,E156-,F157-,R158G,A222.,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,N1074N,V1264L]
Delta+T95_,P251I	[T19R,V70V,T95T,G142.,E156G,F157-,R158-,A222A,P251I,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,P251I	[T19R,V70V,T95T,G142.,E156-,F157-,R158G,A222A,P251I,W258W,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+S112L	[T19R,V70.,T95.,S112L,G142.,E156G,F157-,R158-,A222A,W258W,K417K,L452R,T478K,E484E,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+S112L	[T19R,V70.,T95.,S112L,G142.,E156-,F157-,R158G,A222A,W258W,K417K,L452R,T478K,E484E,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,A222V	[T19R,V70V,T95T,G142.,E156G,F157-,R158-,A222V,W258W,V289V,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta+T95_,A222V	[T19R,V70V,T95T,G142.,E156-,F157-,R158G,A222V,W258W,V289V,K417K,L452R,T478K,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta	[T19R,T29T,V70V,T95.,S112S,G142.,E156G,F157-,R158-,A222A,T250T,P251P,W258W,T299T,K417K,L452R,T478K,E484E,Q613Q,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Delta	[T19R,T29T,V70V,T95.,S112S,G142.,E156-,F157-,R158G,A222A,T250T,P251P,W258W,T299T,K417K,L452R,T478K,E484E,Q613Q,D614G,H655H,Q675Q,Q677Q,N679N,P681R,D950N,V1264V]
Gamma+FurinRelated	[L18.,T20.,P26.,D138.,R190S,K417.,E484K,N501Y,D614G,H655Y,N679*,T1027.,V1176F]
Gamma+FurinRelated	[L18.,T20.,P26.,D138.,R190S,K417.,E484K,N501Y,D614G,H655Y,Q677*,T1027.,V1176F]
Gamma+FurinRelated	[L18.,T20.,P26.,D138.,R190S,K417.,E484K,N501Y,D614G,H655Y,Q675*,T1027.,V1176F]
Gamma+FurinRelated	[L18.,T20.,P26.,D138.,R190S,K417.,E484K,N501Y,D614G,H655Y,P681*,T1027.,V1176F]
Gamma	[L18.,T20.,P26.,D138.,R190S,K417.,E484K,N501Y,D614G,H655Y,Q675Q,Q677Q,N679N,P681P,T1027.,V1176F]
Mu	[T95I,Y144S,Y145N,R346K,E484K,N501Y,D614G,P681H,D950N]
Lambda	[G75V,T76I,R246.,S247-,Y248-,L249-,T250-,P251-,G252-,D253-,L452Q,F490S,D614G,T859N]
Beta	[L18.,D80A,D215G,L242-,A243-,L244-,K417N,E484K,N501Y,D614G,A701V]
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	[T20T,H69-,V70-,Y144-,W152W,E484E,F490F,N501Y,A570D,D614G,P681H,T716T,S982A,D1118H]
Alpha	[T20T,H69-,V70-,Y144-,W152W,E484E,F490F,N501Y,A570D,D614G,P681R,T716I,S982A,D1118H]
Alpha	[T20T,H69-,V70-,Y144Y,W152W,E484E,F490F,N501Y,A570D,D614G,P681H,T716I,S982A,D1118H]
Alpha	[T20T,H69-,V70-,Y144-,W152W,E484E,F490F,N501Y,A570D,D614G,P681H,T716I,S982A,D1118H]