

**Table S2.** Changes in mutation frequencies at signature and/or convergent mutation sites within 501Y lineage viruses between 15 March and 01 June 2021 that are detectably evolving under positive selection in individual lineages and/or in the global SARS-CoV-2 dataset. *Related to Figure 4.*

ORF(Gene)	Inter-lineage convergence detected in April and <b>June</b>	Fold-increase in lineage V1	Fold-increase in lineage V2	Fold-increase in lineage V3
ORF1a/265I(nsp2/85I)	V1,V2	2.2	Fixed	
ORF1a/681F(nsp2/501F)	V1,V2,V3	1.6	3.0	<0.1
ORF1a/1001I(nsp3/183I)	<b>V1,V2</b>	Fixed	2.2	
ORF1a/1188L(nsp3/370L)	V1,V3	2.5		Fixed
ORF1a/1655N(nsp3/837N)	<b>V1,V2,V3</b>	2.5	Fixed	6.6
ORF1a/1708D(nsp3/890D)	<b>V1,V2,V3</b>	Fixed	15.8	>12.0
ORF1a/3829F(nsp6/260F)	V1,V2,V3	2.2	0.5	1.4
ORF1b/970L(Helicase/47L)	V1,V2,V3	1.7	0.2	<0.1
ORF1b/970S(Helicase/47S)		2.2		
ORF1b/1522I(Helicase/599I)	V1, <b>V2</b> ,V3	1.9	12.7	4.8
ORF1b/2020Y(Exonuc/496Y)	V1, <b>V2</b> ,V3	0.7	2.2	<0.1
S/26S	V1, <b>V2</b> ,V3	0.8	>13.0	Fixed
S/26L			11.1	
S/98F	V1,V2, <b>V3</b>	2.5	5.3	>6.0
S/138Y	V1,V2,V3	2.1	0.8	Fixed
S/215G	V1,V2	<0.1	Fixed	
S/215Y		2.1		
S/215C			>6.4	
S/484K	V1,V2,V3	3.7	Fixed	Fixed
S/655Y	V1,V2,V3	2.3	0.2	Fixed
S/681H	V1,V2,V3	Fixed	0.6	21.0
S/681R		2.2		
S/701V	V1,V2	2.4	Fixed	
S/701S		3.1		
S/716I	V1,V2, <b>V3</b>	Fixed	3.7	>13.5
S/1027I	V2,V3		>44.0	Fixed

S/1118H	<b>V1,V2,V3</b>	Fixed	4.0	>21.0
S/1176F	<b>V2,V3</b>		19.5	Fixed
S/1264L	V1,V2, <b>V3</b>	2.3	0.4	1.4
ORF3a/57H	V1,V2, <b>V3</b>	1.4	Fixed	2.8
ORF3a/171L	V1,V2, <b>V3</b>	0.9	Fixed	11.9
E/71L	<b>V1,V2</b>	1.1	Fixed	
E/71T		5.8		
E/71R		>10		
N/205I	V1,V2, <b>V3</b>	0.8	Fixed	1.2
N/205-	<b>V1,V3</b>	1.4		3.0
N/235F	V1,V2, <b>V3</b>	Fixed	2.3	>10.0
N/235L		2.9		

---