

Supplementary Information

Supplementary Table 1 Mutations from comparing Wuhan SARS-CoV-2 Wild-Type Isolate

(Subject NC_045512.2 from NCBI) with an Indonesian Delta Variant Sample (Query

EPI_ISL_2537488.2 from GISAID) in the ORF1ab gene and S gene

No	Query or Subject	Nucleotide Range	ORF1ab gene / ORF1a polyprotein		S gene / Spike protein	
			Nucleotide	Amino Acid	Nucleotide	Amino Acid
1	Query	371-1380	T	L		
	Subject	371-1434	C	P		
3	Query	2941-3000	T	-		
	Subject	2995-3054	C	-		
4	Query	4081-4140	T	L		
	Subject	4135-4194	G	P		
5	Query	6301-6360	T	L		
	Subject	6355-6414	C	P		
6	Query	7021-7080	T	S		
	Subject	7075-7134	C	P		

7	Query	8881-8940	T	-
	Subject	8935-8994	C	-
8	Query	8941-9000	T	L
	Subject	8995-9054	G	V
9	Query	11101-11160	G	A
	Subject	11155-11214	A	T
10	Query	11221-11280	G	-
	Subject	11275-11334	A	-
11	Query	16381-16440	T	L
	Subject	16435-16494	C	P
12	Query	19141-19200	T	V
	Subject	19195-19254	C	A
13	Query	21557-21616		G R
	Subject	21611-21670		C T
14	Query	22837-22896		G R
	Subject	22891-22950		T L
15	Query	22897-22956		A K

	Subject	22951-23010	C	T
16	Query	23317-23376	G	G
	Subject	23371-23430	A	D
17	Query	23497-23556	G	R
	Subject	23551-23610	C	P
18	Query	24337-24396	A	N
	Subject	24391-24450	G	D
19	Query	25248-25307	T	L
	Subject	25302-25361	G	V

Supplementary Table 2 Mutations from comparing SARS-CoV-2 Wild-Type Isolate (Subject NC_045512.2 from NCBI) with an Indonesian Delta Variant Sample (Query EPI_ISL_2537488.2 from GISAID) in the ORF7B/ORF8 and N gene

No	Query or Subject	Nucleotide Range	ORF7b/ORF8 gene / ORF7b/ORF8 protein		N gene / Nucleocapsid Phosphoprotein	
			Nucleotide	Amino Acid	Nucleotide	Amino Acid
1	Query	27815-27874	T	I		

	Subject	27896-27928	C	T		
3	Query	28175-28227	-	-		
	Subject	28229-28288	GATTC	DF		
4	Query	28175-28227	-	-		
	Subject	28229-28288	A	-		
5	Query	28348-28407			G	G
	Subject	28409-28468			A	D
5	Query	28768-28827			T	M
	Subject	28829-28888			G	R
6	Query	28828-28887			T	C
	Subject	28889-28948			G	G
7	Query	29306-29367			T	Y
	Subject	29369-29428			G	D

Supplementary Table 3 Mutations from comparing Wuhan SARS-CoV-2 Wild-Type Isolate

(Subject NC_045512.2 from NCBI) with an Indonesian Alpha Variant Sample (Query

EPI_ISL_3138832.fasta from GISAID) in the ORF1ab gene and S gene

No	Query or Subject	Nucleotide Range	ORF1ab gene / ORF1a polyprotein		S gene / Spike protein	
			Nucleotide	Amino Acid	Nucleotide	Amino Acid
1	Query	3181-3240	T	I		
	Subject	3219-3278	C	T		
2	Query	5341-5400	A	D		
	Subject	5379-5438	C	A		
3	Query	6901-6960	C	T		
	Subject	6939-6998	T	I		

4	Query	11221-11271	-	-
	Subject	11259-11318	TCT-GGT-	S-G-F
			TTT	

5	Query	14032-14091	T	L
	Subject	14079-14138	C	P

6	Query	14332-14391	T	L
	Subject	14379-14438	C	P

7	Query	21712-21765	A??-???	?-?-I
			?TC	
	Subject	21759-21818	ATA-CAT-	I-H-V
			GTC	

8	Query	22966-23025	T	Y
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	Subject	23019-23078	A	N
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9	Query	23206-23265	A	D
	Subject	23259-23318	C	A
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10	Query	23326-23385	G	G
	Subject	23379-23438	A	D
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11	Query	23506-23565	A	H
	Subject	23559-23618	C	P
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12	Query	23626-23685	T	I
	Subject	23679-23738	C	T
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13	Query	24406-24465	G	A

	Subject	24459-24518	T	S
14	Query	24826-24879	C	H
	Subject	24885-24938	G	D

Supplementary Table 4 Mutations from comparing Wuhan SARS-CoV-2 Wild-Type Isolate (Subject NC_045512.2 from NCBI) with an Indonesian Alpha Variant Sample (Query EPI_ISL_3138832.fasta from GISAID) in the ORF7B/ORF8 and N gene

No	Query or Subject	Nucleotide Range	ORF7b/ORF8 gene / ORF7b/ORF8 protein		N gene / Nucleocapsid Phosphoprotein	
			Nucleotide	Amino Acid	Nucleotide	Amino Acid
1	Query	27886-27945	T	-		
	Subject	27939-27998	C	Q		

3	Query	27946-28005	T	I		
	Subject	27999-28058	G	R		

4	Query	28006-28065	T-G	?-C		
	Subject	28059-28188	A-A	K-Y		

5	Query	28348-28407			G	G
	Subject	28409-28468			A	D

5	Query	28768-28827			T	M
	Subject	28829-28888			G	R

6	Query	28828-28887			T	C
	Subject	28889-28948			G	G

7	Query	29306-29367	T	Y
	Subject	29369-29428	G	D

Supplementary Table 5 Mutations from comparing Wuhan SARS-CoV-2 Wild-Type Isolate (Subject NC_045512.2 from NCBI) with an Indonesian Beta Variant Sample (Query EPI_ISL_2500469.fasta from GISAID) in the ORF1ab gene and S gene

No	Query or Subject	Nucleotide Range	ORF1ab gene / ORF1a polyprotein		S gene / Spike protein	
			Nucleotide	Amino Acid	Nucleotide	Amino Acid
1	Query	961-1020	T	I		
	Subject	1015-1074	C	T		
2	Query	5041-5100	G	G		

Subject	5379-5438	A	D
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3	Query	5161-5220	T	N
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Subject	5215-5274	G	K
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4	Query	7741-7800	T	F
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Subject	7795-7854	C	S
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5	Query	10261-10320	G	R
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Subject	10315-10374	S	K
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6	Query	11221-11271	-	-
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Subject	11275-11334	TCT-GGT-	S-G-F
		TTT	

7	Query	11392-11451	G	V
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	Subject	11455-11514	A	M
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8	Query	14332-14391	T	L
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	Subject	14395-14454	C	P
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9	Query	22711-22770	T	N
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	Subject	22783-22842	G	K
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10	Query	22891-22950	A	K
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	Subject	22963-23022	G	E
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11	Query	22951-23010	T	Y
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	Subject	23023-23082	A	N
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12	Query	23311-23370	G	G
	Subject	23383-23442	A	D

13	Query	23551-23610	T	V
	Subject	23623-23682	C	A

14	Query	25471-25530	T	H
	Subject	25543-25602	G	Q

15	Query	25531-25590	T	S
	Subject	25603-25662	G	A

16	Query	25831-25890	T	L
	Subject	25903-25962	C	S

Supplementary Table 6 Mutations from comparing Wuhan SARS-CoV-2 Wild-Type Isolate

(Subject NC_045512.2 from NCBI) with an Indonesian Beta Variant Sample (Query

EPI_ISL_2500469.fasta from GISAID) in the ORF7B/ORF8 and N gene

No	Query or Subject	Nucleotide Range	ORF7b/ORF8 gene / ORF7b/ORF8 protein		N gene / Nucleocapsid Phosphoprotein	
			Nucleotide	Amino Acid	Nucleotide	Amino Acid
1	Query	27886-27945	T	-		
	Subject	27939-27998	C	Q		
2	Query	27946-28005	T	I		
	Subject	27999-28058	G	R		
3	Query	28006-28065	T-G	?-C		
	Subject	28059-28188	A-A	K-Y		

4	Query	28348-28407	G	G
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	Subject	28409-28468	A	D
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5	Query	28768-28827	T	M
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	Subject	28829-28888	G	R
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6	Query	28828-28887	T	C
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	Subject	28889-28948	G	G
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7	Query	29306-29367	T	Y
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	Subject	29369-29428	G	D
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