

1 **Supplementary Information**

2 **Supplementary Table 1 Strategies for typing the clade that SARS-CoV-2 belongs to by ARMS PCR**

	Alpha	Delta	Omicron	Beta	Gamma
	B.1.1.7	B.1.617.2	B.1.1.529	B.1.351	P.1
HV69-70del	+		+		
K417T					+
K417N			+	+	
L452R		+			
E484K				+	+
E484Q		+			
N501Y	+		+	+	+
A570D	+				

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5 **Supplementary figure 1 Venn diagram illustrating the mutations that can distinguish the strain**
6 **types**

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