

Virus detail	
<b>Virus name:</b>	hCoV-19/England/LOND-1293FC4/2022
<b>Accession ID:</b>	EPI_ISL_13090312.1
<b>Type:</b>	betacoronavirus
<b>Clade:</b>	GRA
<b>Pango Lineage:</b>	BA.2.9 (Pango v.4.0.6 PLEARN-v1.8), Omicron (BA.2-like) (Scorpio)
<b>AA Substitutions:</b>	Spike A27S, Spike D405N, Spike D614G, Spike D796Y, Spike E484A, Spike G142D, Spike H655Y, Spike K417N, Spike L24del, Spike N440K, Spike N501Y, Spike N679K, Spike N764K, Spike N969K, Spike P25del, Spike P26del, Spike P681H, Spike Q493R, Spike Q498R, Spike Q954H, Spike R408S, Spike S477N, Spike T19I, Spike T478K, Spike V213G, Spike Y505H, E T9I, M A63T, M Q19E, N E31del, N G204R, N P13L, N R32del, N R203K, N S33del, N S413R, NS3 H78Y, NS3 T223I, NSP1 S135R, NSP3 G489S, NSP3 T24I, NSP4 L264F, NSP4 L438F, NSP4 T327I, NSP4 T492I, NSP5 P132H, NSP6 F108del, NSP6 G107del, NSP6 S106del, NSP12 P323L, NSP13 R392C, NSP14 I42V, NSP15 T112I
<b>Variant:</b>	VOC Omicron GRA (B.1.1.529+BA.*) first detected in Botswana/Hong Kong/South Africa
<b>Passage details/history:</b>	Original
Sample information	
<b>Collection date:</b>	2022-04-11
<b>Location:</b>	Europe / United Kingdom / England
<b>Host:</b>	Human
<b>Additional location information:</b>	
<b>Gender:</b>	unknown
<b>Patient age:</b>	unknown
<b>Patient status:</b>	unknown
<b>Specimen source:</b>	
<b>Additional host information:</b>	
<b>Sampling strategy:</b>	
<b>Outbreak:</b>	
<b>Last vaccinated:</b>	
<b>Treatment:</b>	
<b>Sequencing technology:</b>	Illumina
<b>Assembly method:</b>	
<b>Coverage:</b>	
<b>Comment:</b>	Stretches of NNNs (1.67% of overall sequence). Gap of 53 nucleotides when compared to the reference WIV04 sequence.
Institute information	
<b>Originating lab:</b>	Barts Health NHS Trust
<b>Address:</b>	London
<b>Sample ID given by the originating laboratory:</b>	LOND-1293FC4
<b>Submitting lab:</b>	COVID-19 Genomics UK (COG-UK) Consortium
<b>Address:</b>	United Kingdom
<b>Sample ID given by the submitting laboratory:</b>	LOND-1293FC4
<b>Authors:</b>	CUTINO-MOGUEL, Maria-Teresa; HARRINGTON, David; HARRIS, Kathryn; SULTANA, Shahiba; KELE, Beatrix
Submitter information	
<b>Submitter:</b>	Kele, Beatrix
<b>Submission Date:</b>	2022-06-03
<b>Address:</b>	

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