Lineages report for England

This report gives summaries of lineages sampled in England for week 2020-06-05. There are time lags due to batching, curation and analysis, the most recently sampled sequence is 2020-06-02. The analysis (eg time since last sample) is therefore undertaken from this date. 13984 sequences from England have been included in this analysis. 4592 lineages have been recorded, 3446 of which only contain one sequence.

A few notes: the size of a lineage may be due to a low amount of transmission of this lineage, but it is likely also that it just hasn't been sampled as frequently, especially for newer lineages. It's also important to realise that these lineages are *estimates* of how we think the virus is spreading in the UK after being introduced from abroad, as the low evolutionary rate of the virus makes it difficult to separate lineages with certainty.

The minimum number of introductions is 4777 and the maximum is 6858

Sequences which were replicates or too error-prone were removed from this analysis.

4467 are lineages which were sampled less than five times in England, and so have been left out of visualisation in the interests of clarity

Furthermore, those sequences which haven't been sampled in the last month are not shown.

Of the 125 that remain: 82 are pending extinction, ie last seen three weeks ago. 30 lineages have gone quiet, ie haven't been seen this week. 4 lineages have reactivated. 9 lineages have been continuously circulating.

The following table contains information about the ten largest lineages lineages and the number of sequences the dataset. Information about other lineages is found in the appendix, along with the raw data for all of the other figures.

Each entry is the count of sequences from each lineage in each country, with the percentage of the total sequences from that lineage that this count represents.

"Activity score" is calculated by taking the average gap between sampling for each lineage, and dividing it by the number of days since the lineage was last sampled. Therefore the higher the number, the more active the lineage is. If the score is above 1, then it has been sampled *more* recently than expected given its average gap size. We might interpret this as an increase in activity. If the score is below 1, it has been sampled *less* recently than expect given its average gap size, so we might interpret this as a decrease in activity.

The global lineages are correct as of the data release on 2020-05-19

It is written to "summary_files" as "lineage_summary.tsv" for further use, and the full list of lineages is available in the same directory as "all_lineages.csv"

Lineage		Number of	Global	Time since last sample	Activity
name	Date range	sequences	lineage	(days)	score
UK5	Mar-03,	1096	B.1.1.1,	2	0.0339
	May-31		B.1.1		
UK2464	Mar-09,	255	B.1.p11	8	0.0222
	May-25				
UK2916	Feb-03,	253	B.1.p11, B.1	23	0.0132
	May-10				
UK9	Mar-09,	201	B.1.13	18	0.0185
	May-15				
UK4	Feb-28,	169	В	15	0.0287
	May-18				
UK494	Mar-20,	106	B.1.p11	28	0.0152
	May-05				

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK2913	Mar-10,	99	B.1.p11	21	0.0231
	May-12				
UK6	Mar-17,	94	B.1	20	0.0306
	May-13				
UK19	Mar-09,	93	B.1	18	0.0199
	May-15				
UK63	Mar-18,	90	B.1.1	28	0.019
	May-05				

These data is represented in the figure one. Note that the number of sequences is likely to be due more to differing sampling efforts in different regions, rather than genuine differences in numbers of cases.

The raw data for this bar chart are in the table above.

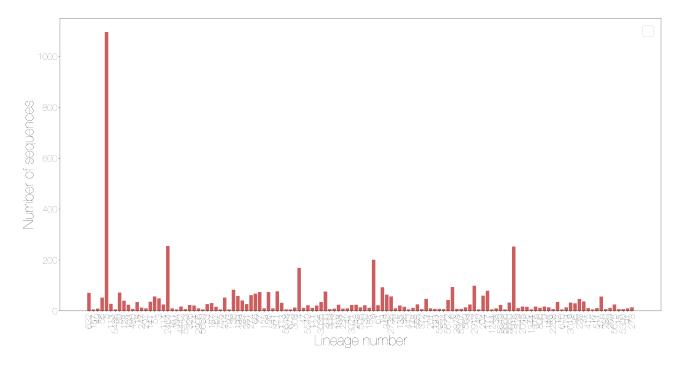


Figure 1: Number of sequences sampled in a lineage by country

Different sequencing centres have different delays in turn around from receipt of samples to submission of sequence data. This will affect all of the figures shown after this if lineages have geographical variation, as some regions have less up to date data.

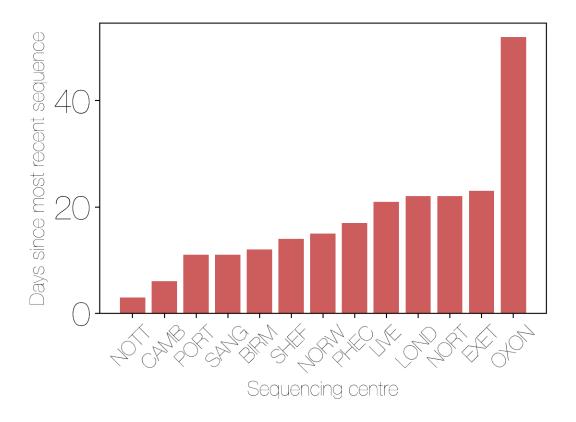


Figure 2: Lag since the most recent sequence from each sequencing centre to most current date

The relative growth and decline of the ten most sampled lineages in terms of number of counties they are present in is shown in figure three.

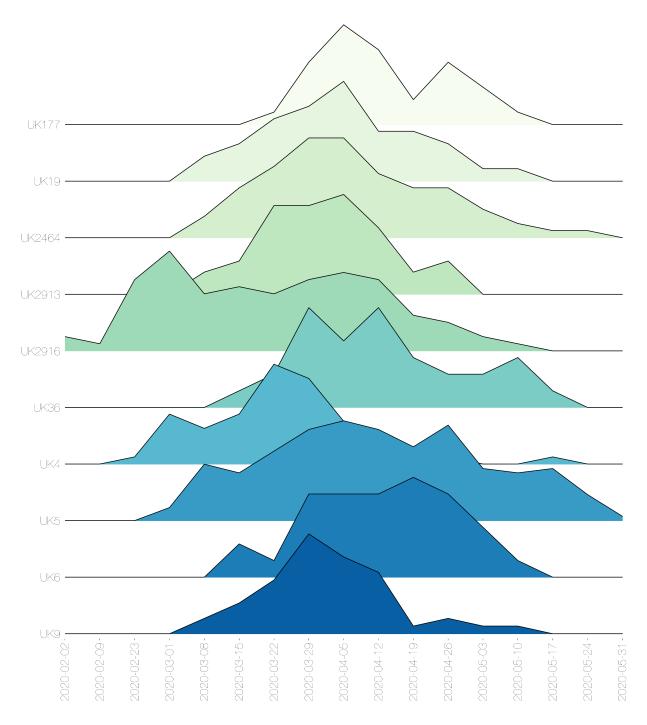


Figure 3: Lineages by number of adm2 regions present by epiweek

These lineages are shown on the timeline. Each line represents the length of the cluster, from oldest to most recent sampling date. The dots are sized by the number of sequences taken on that date, and again are colour coded by country. The raw data has been written to a summary file.

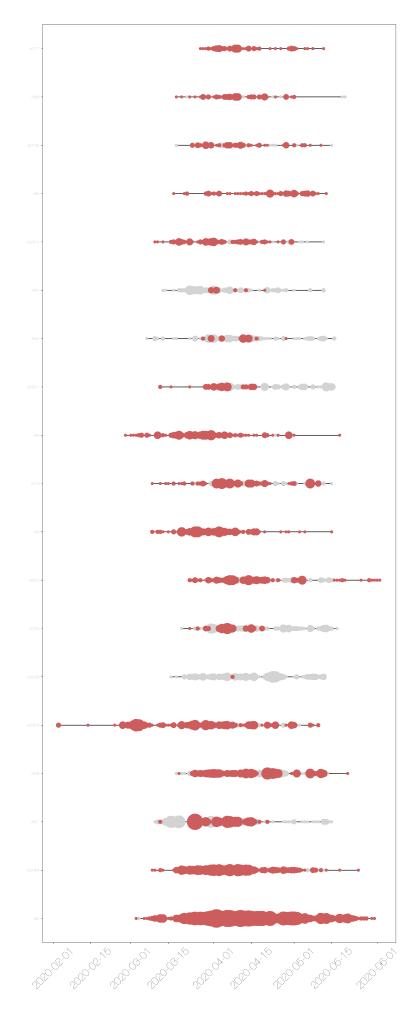


Figure 4: Timeline of lineages, sized by number of sequences from each country.

The date of first sequence in the cluster is shown in figure five for every cluster with date information.

NB the lineage may have started anywhere in the UK, but has been recorded at least once in England

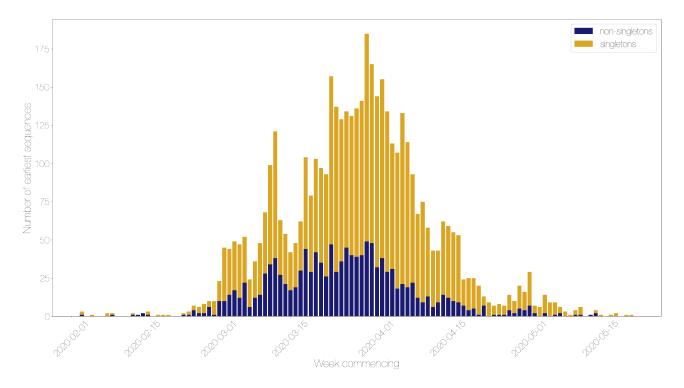


Figure 5: Lineage starts per week, split by singletons and non-singletons

For comparison, here is a plot of the day that every sequence was taken, coloured by country. Note that sequences without dates were not included.

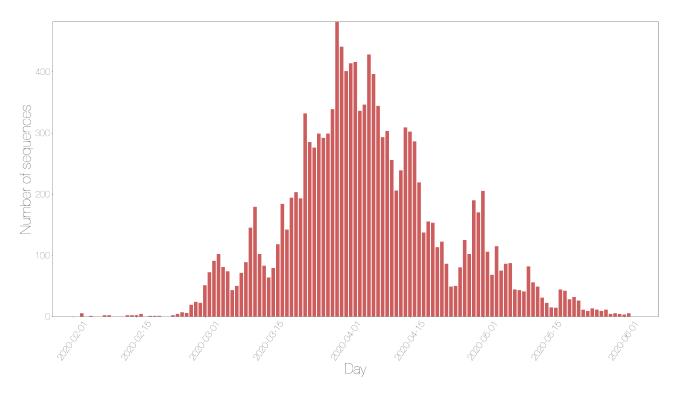


Figure 6: Sequences taken on each day by country

The map shows the number of sequences sampled in each admin2 region in the UK. The colour scale is the same for all four countries, but with different underlying base colours.

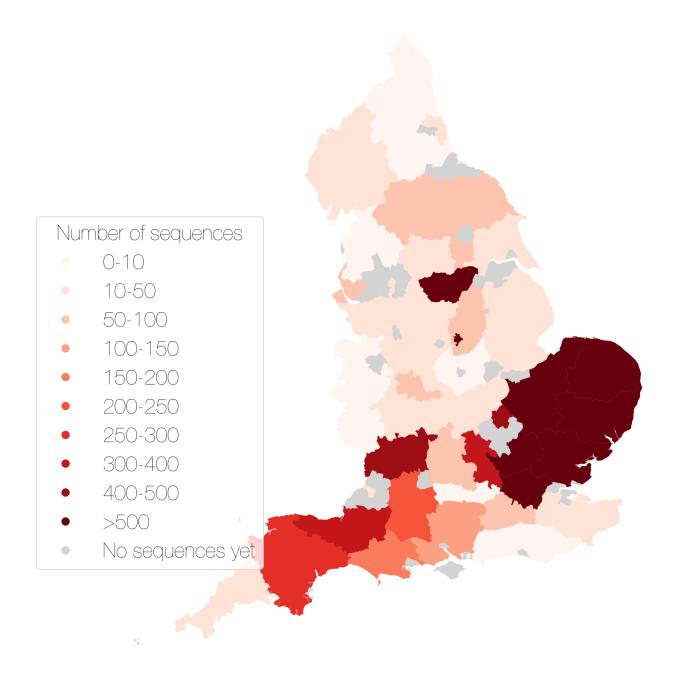


Figure 7: Map showing the number of sequences sampled by adm2 region

There are some sequences with locations that are not matched to real Admin2 regions, some manual curation required.

Other results modules for UK lineage analysis can be added in here if required.

Appendix

Below are the raw data tables for each of the figures in the report.

Table S1 Description of all lineages that have been circulating in the last month, and have more than 5 sequences.

Lineage	D. L.	Number of	Global	Time since last sample	Activity
name	Date range	sequences	lineage	(days)	score
UK5	Mar-03,	1096	B.1.1.1, B.1.1	2	0.0339
	May-31				
UK2464	Mar-09,	255	B.1.p11	8	0.0222
	May-25				
UK2916	Feb-03,	253	B.1.p11, B.1	23	0.0132
	May-10				
UK9	Mar-09,	201	B.1.13	18	0.0185
	May-15				
UK4	Feb-28,	169	В	15	0.0287
	May-18				
UK494	Mar-20,	106	B.1.p11	28	0.0152
	May-05				
UK2913	Mar-10,	99	B.1.p11	21	0.0231
	May-12				
UK6	Mar-17,	94	B.1	20	0.0306
	May-13				
UK19	Mar-09,	93	B.1	18	0.0199
	May-15				
UK63	Mar-18,	90	B.1.1	28	0.019
	May-05				
UK36	Mar-19,	83	B.1	12	0.0161
	May-21				
UK177	Mar-27,	79	B.1.1	21	0.0281
	May-12		5.4.4		
UK371	Mar-12,	77	B.1.1	14	0.0631
	May-19	70	D 4 44	4-	0.0050
UK200	Apr-08,	76	B.1.p11	15	0.0356
	May-18	7.4	D 0 D 0 4	40	0.000
UK77	Mar-11,	74	B.2, B.2.4	13	0.069
1.11/00	May-20	7.4	D 1 1 0	10	0.0004
UK26	Mar-18,	74	B.1.1.3	13	0.0664
1.11/00	May-20	70	D 1 1 0	F	0.0100
UK89	Mar-11,	72	B.1.1.9	5	0.2108
UK632	May-28 Mar-23,	71	B.1.1	0	active today
UNUJZ	Jun-02	7.1	D. 1. I	U	active today
UK107	Jun-02 Mar-15,	68	B.2.5, B.2,	42	0.0131
OIX IUI	Apr-21	00	B.2.3, B.2, B.2.1	42	0.0101
UK66	Mar-18,	68	B.1.1.8	13	0.0577
ONOU	May-20	00	D. 1. 1.0	13	0.0011
UK194	Mar-19,	64	B.1.1	39	0.0147
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Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
		•			
UK343	Mar-28,	64	B.1	18	0.0423
111/07/	May-15	00	D O D	10	0.000
UK274	Mar-06,	62	B.3, B	12	0.099
111407	May-21	00	D 1 00 D 1	20	0.0074
UK37	Mar-17,	60	B.1.30, B.1	29	0.0271
	May-04		5		
UK204	Apr-07,	60	B.1.1	21	0.0282
1114400	May-12	50	D 4 5 5	40	0.0010
UK199	Apr-08,	59	B.1.5.5	12	0.0618
	May-21				
UK339	Feb-23,	59	B.3	47	0.015
	Apr-16				
UK115	Mar-15,	58	B.2.1	43	0.0144
	Apr-20				
UK51	Mar-25,	57	B.1.36	7	0.1497
	May-26				
UK2735	Mar-24,	57	B.1.1	18	0.0358
	May-15				
UK476	Mar-31,	56	B.1.1	27	0.0242
	May-06				
UK112	Mar-15,	56	B.1.1.p11,	29	0.0313
	May-04		B.1.1		
UK56	Mar-20,	52	B.1.1	0	active today
	Jun-02				
UK214	Mar-06,	52	B.1.1	12	0.1195
	May-21				
UK3	Feb-24,	49	B.1	8	0.237
	May-25				
UK13	Mar-13,	47	B.1.1	20	0.0663
	May-13				
UK94	Mar-12,	47	B.2, B.2.1	44	0.0188
	Apr-19				
UK238	Mar-19,	47	B.1.1	26	0.041
	May-07				
UK28	Mar-13,	45	B.1.1.10	32	0.0348
	May-01				
UK513	Mar-12,	43	B.1.p11	34	0.0336
	Apr-29		•		
UK5672	Mar-19,	43	B.2	20	0.064
	May-13				
UK233	Apr-08,	41	B.1.1	12	0.0896
	May-21				
UK128	Apr-03,	40	B.1.1	6	0.2308
	May-27	.0	-	· ·	
UK8	Mar-03,	38	В	32	0.045
- · · •	May-01		-	02	5.5.0
UK62	Mar-12,	38	B.3	40	0.0262
51102	Apr-23	30	5.0	40	5.5252

ineage	Data	Number of	Global	Time since last sample	Activity
name	Date range	sequences	lineage	(days)	score
JK31	Mar-21,	37	B.1	27	0.0473
	May-06				
JK23	Mar-12,	37	B, B.9	31	0.0445
	May-02				
JK346	Mar-16,	36	B.1.72, B.1	44	0.0221
	Apr-19				
JK276	Mar-18,	36	B.1.1	32	0.0393
	May-01				
JK190	Mar-01,	36	B.1	44	0.0318
	Apr-19				
JK147	Apr-04,	36	B.1.1	7	0.2122
	May-26				
JK283	, Mar-25,	35	B.1.1	29	0.0406
	May-04				
JK18	Mar-11,	35	B.1.1.7	6	0.3775
	May-27			•	-
JK12	Mar-12,	35	B.1.p11	26	0.0615
-	May-07		F	20	
JK3035	Mar-24,	35	B.1	15	0.1078
	May-18			10	21.0.0
IK131	Mar-11,	34	B.15	49	0.0183
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Apr-14	01	D.10	10	0.0100
JK138	Mar-23,	33	B.2.1	37	0.0287
71100	Apr-26	00	D.Z. 1	O1	0.0207
JK3019	Mar-06,	33	B.1	26	0.0662
113019	May-07	33	D. 1	20	0.0002
JK5660	Apr-11,	33	B.1.1	23	0.0764
10000	•	33	D. I. I	23	0.0764
11/170	May-10	20	В	14	0 1 1 7 5
JK173	Mar-16,	32	В	14	0.1475
11/107	May-19	24	D 1 00 D 1	40	0 1 170
JK167	Mar-29,	31	B.1.66, B.1	12	0.1472
11776	May-21	2.5	D 4		0.05:-
JK79	Mar-24,	30	B.1	28	0.0517
	May-05	_	D 6 :		
JK95	Mar-10,	30	B.2.1	26	0.0744
	May-07				
JK113	Mar-22,	28	B.1.1	3	0.8519
	May-30				
JK241	Mar-22,	28	B.1.5.3	47	0.0197
	Apr-16				
JK116	Feb-25,	28	B.2.1	62	0.0215
	Apr-01				
JK300	Mar-28,	27	B.1.1	29	0.0491
	May-04				
JK5741	Mar-01,	27	B.2, B.1	44	0.0398
	Apr-19				
K351	Apr-13,	27	B.1.1.10,	12	0.1218
	May-21		B.1.1		

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK53	Mar-26,	27	B.1.1.4	11	0.096
ONOO	May-22	21	D. 1. 1. 4	11	0.000
UK144	Mar-05,	26	B.2.1	56	0.0236
OICITT	Apr-07	20	D.Z. 1	30	0.0200
UK565	Mar-31,	26	B.1.1	20	0.086
UNSUS	May-13	20	D.1.1	20	0.000
UK183	Mar-29,	26	B.1.1	40	0.025
UK165	Apr-23	20	D.1.1	40	0.025
UK33	Mar-30,	25	B.1.1	21	0.0853
UNSS		25	D.1.1	21	0.0655
1 11/24 4 4	May-12	05	D 1 1	0	0.0040
UK114	Mar-16,	25	B.1.1	8	0.3646
111/04	May-25	0.5	D 4	20	0.0500
UK64	Mar-12,	25	B.1	28	0.0536
1 11/57	May-05	25	D 1 1	25	0.0074
UK57	Apr-05,	25	B.1.1	35	0.0274
	Apr-28	0.5	D 0	0.7	0.0047
UK5675	Mar-03,	25	B.2	27	0.0847
	May-06	0.5	5.4.4		
UK235	Mar-21,	25	B.1.1	29	0.0632
	May-04				
UK81	Mar-19,	24	B.1.1	36	0.0451
	Apr-27				
UK119	Mar-11,	24	B.2.5	47	0.0247
	Apr-16				
UK103	Mar-20,	24	B.1.1	6	0.4928
	May-27				
UK248	Apr-08,	24	B.1.1	17	0.086
	May-16				
UK158	Mar-23,	24	B.1.1.2, B.1.1	16	0.0168
	May-17				
UK101	Mar-21,	23	B.1.5	36	0.0447
	Apr-27				
UK92	Mar-23,	23	B.1.1	33	0.0501
	Apr-30				
UK326	Mar-22,	23	B.1.1.10	11	0.2521
	May-22				
UK109	Mar-21,	23	B.1.5	32	0.0512
	May-01				
UK3021	Mar-12,	23	B.1	17	0.0237
	May-16				
UK5649	Mar-15,	23	B.2.6, B.1.1	22	0.1036
	May-11				
UK24	Mar-18,	22	B.1.1.10,	29	0.0772
	May-04		B.1.1		
UK30	Mar-15,	22	B.1.1	18	0.1614
	May-15				
UK2200	Feb-28,	22	B.1.5, B.1.5.6	28	0.0263
	May-05				

₋ineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
JK61	 Mar-12,	22	B.3	18	0.0093
51101	May-15		5.0	10	0.0000
JK5549	Mar-04,	22	B.2.2	15	0.2
31100 10	May-18		<i>D.L.L</i>	10	0.2
JK279	Mar-26,	22	B.1.1	38	0.0376
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Apr-25		2		0.007.0
JK174	Mar-19,	21	B.1.5	11	0.2909
	May-22		2		0.200
JK722	Mar-23,	21	B.1.1	15	0.1867
	May-18				
JK384	Mar-14,	21	B.2.1	61	0.0156
	Apr-02			•	
JK135	Apr-01,	21	B.1.p11	19	0.1132
J -	May-14			10	· • •
JK72	Mar-13,	20	B.10	29	0.023
	May-04	23		20	3 - 3
JK307	Mar-28,	20	B.1.1	29	0.0672
	May-04	20		20	J.JJ. <u>L</u>
JK75	Mar-17,	20	B.1.34, B.1	37	0.0569
	Apr-26	20	21110 1, 211	0.	0.0000
K293	Mar-24,	20	B.1	35	0.0526
. 1.200	Apr-28	20	2		0.0020
K419	Mar-30,	19	B.1.1	31	0.0591
	May-02	.0	2	0.	0.000
JK219	Mar-26,	19	B.1.1	31	0.0628
J. L. 10	May-02	10	D.11.1	01	0.0020
JK514	Mar-30,	19	B.1.1	50	0.0156
	Apr-13	.0	2		0.0.00
JK291	Mar-13,	19	B.2.1	58	0.0209
	Apr-05	10	٥.2.١	00	5.5200
JK2013	Дрг-03 Маг-15,	19	B.1	37	0.0597
	Apr-26	19	5.1	O1	0.0001
JK126	Дрг-20 Маг-29,	18	B.1.1	30	0.0686
	May-03	10	٥	00	5.5555
JK1764	Mar-14,	18	B.3	44	0.0481
	Apr-19	10	2.0	77	0.0 10 1
JK117	Feb-28,	18	B.2.1	59	0.0359
	Apr-04	10	J.L. 1	00	5.5555
JK376	Apr-04,	17	B.1.1	25	0.085
	May-08	.,		20	5.550
K2045	Mar-17,	17	B, B.1	24	0.138
•	May-09		., —		-
JK4442	May-10,	17	B.1.1	9	0.0972
· · -	May-24	.,	•	· ·	-: 50.
JK888	Apr-05,	17	B.1.1	29	0.0588
-	May-04	.,	•	20	2.3000
K5309	Mar-20,	17	B.1.1.10,	34	0.0619
	Apr-29	• •	B.1.1	01	

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
		•			
JK143	Mar-14,	17	B.2.1	47	0.0439
11/00	Apr-16	47	D .4.4	0.5	0.45
JK29	Mar-09,	17	B.1.1	25	0.15
	May-08				
JK403	Mar-23,	17	B.1.1	48	0.0299
	Apr-15				
JK41	Mar-01,	17	B.1	39	0.0729
	Apr-24				
JK195	Mar-29,	16	B.1.1	30	0.0778
	May-03				
JK67	Mar-25,	16	B.1.1	12	0.3167
	May-21				
IK5084	Mar-29,	16	B.1	45	0.0261
	Apr-18				
JK86	Mar-05,	16	B.1	19	0.0722
	May-14				
JK397	Mar-28,	16	B.1.1.13,	45	0.0311
	Apr-18		B.1.1		
IK46	Mar-02,	16	B.2.1	25	0.1675
	May-08				
K374	Apr-01,	15	B.1.1	43	0.0316
	Apr-20				
K5715	Feb-13,	15	B.2, B.1.1	41	0.1122
	Apr-22				
IK134	Mar-04,	15	B.1	56	0.0337
	Apr-07				
JK1849	Apr-07,	15	B.1.1	43	0.0216
	Apr-20				
JK5713	Mar-26,	14	B.2, B.1.1	49	0.0298
	Apr-14		•		
JK5180	Apr-04,	14	B.1.1.7	39	0.0394
	Apr-24				
JK253	Apr-03,	14	B.1.1	30	0.0769
, .	May-03		-		- 3. 3 .
IK354	Mar-18,	14	B.1.1	52	0.033
	Apr-11		-	02	- 355
IK501	Apr-03,	14	B, B.1	34	0.0588
	Apr-29		_,	04	2.3000
IK569	Mar-23,	14	B.1.1	21	0.1832
000	May-12	17		21	5.100L
K146	Mar-24,	14	B.1.1	26	0.1209
	May-07	17	2.1.1	20	5.1200
K254	Mar-20,	14	B.1.1	49	0.0392
11207	Apr-14	14	۵.1.1	49	0.0032
K726	Mar-30,	14	B.1	29	0.0928
11/20		14	D. I	29	U.U9∠ō
VEOE	May-04	4 4	D 1 1 - 11	40	0.005
K505	Mar-21,	14	B.1.1.p11,	18	0.235
	May-15		B.1.1		

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK153	Mar-13,	14	B.2	49	0.0502
UK 133	Apr-14	14	D.2	49	0.0302
JK278	Apr-10,	14	B.1.1	27	0.0741
JI\Z10	дрі-10, Мау-06	14	D.1.1	21	0.0741
JK249	Apr-01,	14	B.1.1	38	0.0439
J1\243	Apr-25	17	D.1.1	30	0.0403
JK236	Mar-27,	14	B.1.1	41	0.0453
J11200	Apr-22	1-7	D.11.1	71	0.0400
JK179	Mar-26,	14	B.1.1.p11	26	0.053
	May-07		2	20	0.000
JK5214	Mar-20,	14	B.1.1	29	0.1194
	May-04				
JK5260	Mar-29,	13	B.1.1	31	0.0914
	May-02	. •	-	Ç.	- 3
JK378	Feb-15,	13	B.1.1	89	0.0178
-	Mar-05	. •			
JK308	Apr-09,	13	B.1.1	15	0.2167
	May-18				
JK5663	Apr-11,	13	B.2, B.1.1	31	0.0565
	May-02		•		
JK34	Feb-15,	13	B.4	61	0.0642
	Apr-02				
JK637	Mar-28,	13	B.1.1	32	0.0885
	May-01				
JK5498	Apr-01,	13	B.2	43	0.0368
	Apr-20				
JK247	Apr-04,	13	B.1.1	6	0.7361
	May-27				
JK45	Mar-02,	13	B.1.1	47	0.0563
	Apr-16				
JK148	Apr-02,	12	B.1.1	20	0.1864
	May-13				
JK806	Apr-04,	12	B.1.1.10	25	0.1236
	May-08				
JK694	Mar-06,	12	В	80	0.0091
	Mar-14				
JK186	Apr-08,	12	В	18	0.2269
	May-15				
JK347	Mar-13,	12	B.1	61	0.0298
	Apr-02				
JK111	Mar-25,	12	B.1.1	15	0.3273
	May-18				
JK604	Mar-09,	12	B.1.1	77	0.0089
	Mar-17				
JK71	Mar-08,	12	В	33	0.1338
	Apr-30				
JK269	Apr-04,	12	B.1.1	27	0.0784
	May-06				

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK266	Apr-06,	 12	B.1	33	0.0661
0.1200	Apr-30		2	33	0.0001
UK5505	, ф. 96 Маг-29,	12	B.1	32	0.0938
	May-01				
UK689	Mar-05,	12	B.2, B.2.1	56	0.0491
	Apr-07		,		
UK47	Mar-17,	12	B.1.1	15	0.2431
	May-18				
UK180	Mar-30,	11	B.1.1	32	0.0909
	May-01				
UK5703	Mar-06,	11	B.2, B.1.1	48	0.0758
	Apr-15				
UK5409	Mar-27,	11	B.1.1	44	0.0523
	Apr-19				
UK759	Mar-28,	11	B.1.1	36	0.0694
	Apr-27				
UK329	Apr-11,	11	B.1.1	24	0.1736
	May-09				
UK54	Mar-18,	11	B.1.1.10	33	0.1303
	Apr-30				
UK368	Mar-18,	11	B.1	32	0.1375
	May-01				
UK415	Apr-19,	11	B.1	27	0.063
	May-06				
UK441	Apr-04,	11	B.1.1	32	0.0649
	May-01				
UK428	Mar-20,	11	B.2, B.2.1	57	0.0298
	Apr-06				
UK240	Mar-16,	11	B.2	52	0.05
	Apr-11				
UK511	Apr-05,	11	B.1.1	27	0.1148
	May-06				
UK5339	Apr-15,	11	B.1.1	34	0.0412
	Apr-29				
UK1018	Apr-20,	11	B.1.1	42	0.0024
	Apr-21				
UK251	Mar-17,	11	B.1.1	31	0.1349
	May-02				
UK141	Mar-22,	11	B.1.1	39	0.0846
	Apr-24				
UK163	Mar-27,	11	B.1.1	30	0.0949
	May-03				
UK132	Mar-27,	10	B.1	33	0.0859
	Apr-30		_		
UK22	Mar-02,	10	В	42	0.1323
	Apr-21				
UK297	Apr-09,	10	B.1.p11	7	0.746
	May-26				

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
		-			
UK171	Mar-13,	10	B.2, B.2.1	50	0.0689
111/007	Apr-13	40		20	0.0440
UK687	Feb-28,	10	B.2, B.2.1	86	0.0116
	Mar-08				
UK255	Mar-26,	10	B.1.1	43	0.0581
	Apr-20				
UK125	Apr-22,	10	B.1.1	13	0.2393
	May-20				
UK42	Mar-28,	10	B.1.35, B.1	17	0.028
	May-16				
UK123	Mar-23,	10	B.1	32	0.1354
	May-01				
UK38	Mar-04,	10	B.2.1	22	0.1627
	May-11				
UK78	Mar-29,	10	B.1.5	19	0.269
	May-14				
UK91	Mar-28,	10	B.1.1	27	0.1605
	May-06				
UK201	Mar-29,	10	B.1	20	0.25
ONLOT	May-13	10	5.1	20	0.20
UK2906	Apr-08,	10	B.1	11	0.4545
UNZUUU	Дрг-00, Мау-22	10	D. 1	11	0.4343
UK541	Apr-01,	10	B.1.1	13	0.4188
UN341	•	10	D. I. I	13	0.4100
111/040	May-20	10	D 1 5	40	0.0040
UK242	Mar-26,	10	B.1.5	43	0.0646
111/55 40	Apr-20	40	D 0 1	0.4	0.400.4
UK5543	Mar-10,	10	B.2.1	34	0.1634
	Apr-29				
UK161	Mar-10,	10	B.1.1	8	0.6786
	May-25				
UK5707	Mar-18,	9	B.2, B.1.1	47	0.0617
	Apr-16				
UK645	Mar-29,	9	B.2.1	55	0.0227
	Apr-08				
UK178	Mar-14,	9	B.1.1	50	0.075
	Apr-13				
UK312	Mar-01,	9	B.1.1	71	0.0387
	Mar-23				
UK49	Mar-19,	9	B.2.1	0	active today
	Jun-02				•
UK168	Mar-16,	9	B.2.1	47	0.0824
	Apr-16	•			-
UK311	Mar-20,	9	B.1.1	52	0.0529
J	Apr-11	9		02	0.0020
UK802	Mar-21,	9	B.1	41	0.0976
01100Z	Apr-22	9	D. 1	41	0.0070
	/\DI-44				
UK564	Apr-03,	9	B.1.1	31	0.1169

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK203	Apr-01,	9	B.1.1	16	0.2448
0.1200	мау-17	· ·	2		0.2 1 10
JK913	Apr-03,	9	B.1	29	0.1336
	May-04	· ·			0000
JK5423	Apr-23,	9	B.1.1	29	0.1073
	May-04	_			
JK432	Mar-24,	9	B.3	54	0.037
-	Apr-09	_	-		
JK237	Mar-31,	9	B.1.1	17	0.3382
	May-16				
JK5338	Apr-29,	9	B.1.1	31	0.0121
	May-02				
JK5685	, Mar-17,	9	B.2	30	0.1306
	May-03				
JK5308	Apr-29,	9	B.1.1	32	0.0078
	May-01				
JK3875	Apr-08,	8	B.1.1	21	0.2313
	May-12				
JK733	Mar-10,	8	B.2.1	41	0.1498
	Apr-22				
JK244	Mar-12,	8	B.1.1	33	0.1856
	Apr-30				
JK318	Mar-20,	8	В	53	0.0566
	Apr-10				
JK1013	Apr-15,	8	B.1.1	47	0.003
	Apr-16				
UK5178	Mar-21,	8	B.1.1.7	46	0.0839
	Apr-17				
UK306	Mar-26,	8	B.1.1	53	0.0354
	Apr-10				
JK252	Apr-04,	8	B.1.1	34	0.105
	Apr-29				
JK5307	Mar-10,	8	B.1.1	21	0.3869
	May-12				
JK335	Mar-25,	8	B.2.1	48	0.0625
	Apr-15				
JK70	Mar-06,	8	B.2	47	0.0872
	Apr-16				
JK2918	Mar-02,	8	B.1	36	0.1111
	Apr-27				
JK83	Feb-29,	8	B.1.1	55	0.0709
	Apr-08				
JK341	Mar-23,	8	B.1	51	0.056
	Apr-12				
JK193	Apr-08,	8	B.1.1	20	0.0913
	May-13				
JK756	Feb-27,	8	B.1.1	89	0.0112
	Mar-05				

JK739 JK5563	Date range	sequences			score
		0	lineage B.4	(days)	
IK5563	Mar-01, Mar-08	8	D.4	86	0.0116
		8	B.2.2	41	0.0383
110000	Apr-11, Apr-22	0	D.Z.Z	41	0.0363
JK142	Apr-22 Mar-15,	8	B.2.1	62	0.0202
JK 142		0	D.Z. I	02	0.0392
IIZOOO	Apr-01	8	B.1.1	50	0.0410
JK220	Mar-27,	0	D. I. I	52	0.0412
11/700	Apr-11	8	B.4	90	0.0006
JK788	Feb-28,	0	D.4	89	0.0096
WCCC7	Mar-05	0	D.O.O.	00	0.05
IK5557	Mar-11,	8	B.2.2	20	0.35
U/E00	May-13	-	D 4 4		0.0404
IK532	Apr-04,	8	B.1.1	46	0.0404
11/57 4	Apr-17	-	D 4 4	<u> </u>	0.4001
JK574	Mar-30,	8	B.1.1	34	0.1261
	Apr-29		5.4		
JK287	Mar-28,	8	B.1	45	0.0511
	Apr-18				
IK480	Apr-02,	8	B.1.1	6	1.3095
	May-27				
K223	Mar-10,	8	B.2.1	57	0.0677
	Apr-06				
K232	Mar-04,	7	B.1.1	64	0.0677
	Mar-30				
IK510	Apr-02,	7	B.1.1	47	0.0496
	Apr-16				
JK634	Mar-30,	7	B.1.1	45	0.0704
	Apr-18				
JK372	Apr-16,	7	B.1.1	20	0.225
	May-13				
JK65	Mar-07,	7	B.1.1	46	0.1273
	Apr-17	•			-
JK280	Mar-31,	7	B.1.1	27	0.2222
	May-06	•	-	_,	
K540	Apr-09,	7	B.1.1.p15,	41	0.0528
.	Apr-22	•	B.1.1		2.3020
JK15	Mar-06,	7	B.1.1	27	0.2259
	May-06	,	21	ZI	5.2200
IK3323	Mar-26,	7	B.1.1	35	0.1571
1.0020	Apr-28	,	۵.۱.۱	33	0.1071
K534	Apr-13,	7	B.1.1	20	0.2143
1.004	May-13	,	<i>D</i> . 1. 1	20	0.2 170
K5523	May-01,	7	B.1	10	0.3667
INUUZU	May-23	1	D. I	10	0.3007
IL 107		7	D 1 1	EE	0.020
K487	Mar-24,	7	B.1.1	55	0.039
14000	Apr-08	_	D 4		0.07
K629	Mar-23, Apr-13	7	B.1	50	0.07

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
		-			
JK5300	Apr-17,	7	B.1.1	27	0.1173
11/100	May-06	7	D44	0.4	0.4555
JK129	Mar-23,	7	B.1.1	34	0.1555
	Apr-29	_			
JK5261	Mar-29,	7	B.1.1	32	0.1473
	May-01	_			
JK692	Mar-04,	7	B, B.2, B.2.1	60	0.0833
	Apr-03				
JK206	Mar-22,	7	B.2.1	44	0.1061
	Apr-19				
JK268	Mar-23,	7	B.1.1	47	0.0511
	Apr-16				
IK317	Mar-26,	7	B.3	47	0.0745
	Apr-16				
JK390	Mar-27,	7	B.1.5	32	0.1823
	May-01				
JK352	Apr-11,	7	B.1.1	30	0.1222
	May-03				
JK2258	Mar-23,	7	B.1	26	0.2885
	May-07				
JK5708	Mar-30,	7	B.1.1	32	0.1429
	May-01				
JK69	Mar-04,	7	B.2.1	49	0.1195
	Apr-14				
JK5177	Mar-27,	7	B.1.1.7	52	0.0481
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Apr-11	•	5	02	0.0 .0 .
JK289	Mar-25,	7	B.2.1	47	0.078
711200	Apr-16	,	D.Z. 1	71	0.070
JK5174	Mar-26,	7	B.1.1.7	56	0.0306
71.0174	Apr-07	,	D.1.1.7	30	0.0000
JK309	Apr-07,	7	B.1.1	16	0.4792
บเวบฮ	•	,	D. 1. I	10	0.4182
II/100	May-17	7	D 1 1	04	0.1550
IK182	Apr-03,	7	B.1.1	31	0.1559
11/1000	May-02	-	D 1 1	24	0.1005
IK1006	Apr-04,	7	B.1.1	34	0.1225
114040	Apr-29	_	D.4.4		0.400=
IK213	Mar-18,	7	B.1.1	46	0.1087
	Apr-17		D 0 5		
IK654	Feb-27,	6	B.2.5	86	0.0233
	Mar-08				
IK542	Apr-01,	6	B.1	49	0.0531
	Apr-14				
JK5581	Mar-11,	6	B.2.2	55	0.1018
	Apr-08				
K196	Mar-18,	6	B.2.1	46	0.1304
	Apr-17				
K647	Mar-21,	6	B.2, B.2.1	67	0.0249
	Mar-27				

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
		-			
JK110	Mar-24,	6	B.1	34	0.2118
11/4044	Apr-29		D.4.4	00	0.0000
JK1244	May-01,	6	B.1.1	22	0.0909
	May-11		5.4		
JK544	Mar-24,	6	B.2.1	57	0.0456
	Apr-06	_			
JK5780	Mar-14,	6	B.2, B.2.1	65	0.0462
	Mar-29	_			
JK5666	Mar-13,	6	B.2	23	0.4203
	May-10				
JK520	Mar-14,	6	B.2, B.2.1	66	0.0424
	Mar-28				
JK58	Mar-17,	6	B.1	39	0.0689
	Apr-24				
JK793	Apr-08,	6	B.1, B.1.5	12	0.7167
	May-21				
JK799	Mar-01,	6	B.1	87	0.0138
	Mar-07				
JK5297	Mar-30,	6	B.1.1	59	0.0169
	Apr-04				
K5743	Mar-21,	6	B.2, B.1	57	0.0561
	Apr-06				
K5903	Mar-25,	6	B.2	45	0.1067
	Apr-18				
JK5486	May-01,	6	B.2	5	1.08
	May-28				
JK673	Mar-28,	6	B.1.1	15	0.68
	May-18	•		.•	0.00
JK435	Apr-03,	6	B.1.5	40	0.1
711-100	Apr-23	· ·	D. 1.0	40	0.1
JK413	Mar-06,	6	В	60	0.0933
11710	Apr-03	0	ט	00	0.0300
JK746	Mar-31,	6	B.1.5	49	0.0571
//\/ 40		0	D. 1.3	49	0.007 1
IK301	Apr-14	2	B.1.1	00	0.1938
IK331	Mar-31,	6	D. I. I	32	U. 1938
11/40	May-01	•	D 10	24	0.0004
JK40	Mar-31,	6	B.16	21	0.0201
11/00 4	May-12	-	D 4 4	•	0.0000
K394	Mar-20,	6	B.1.1	9	0.2698
11/000	May-24	_	5 .4.4		0.004
K330	Mar-23,	6	B.1.1	50	0.084
	Apr-13				
JK488	Mar-31,	6	B.1	48	0.0625
	Apr-15				
IK1344	Apr-20,	6	В	25	0.144
	May-08				
K517	Mar-29,	6	B.1.1	51	0.0549
	Apr-12				

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK1023	Apr-07,	6	B.1.1	47	0.0383
0111020	Apr-16	O	D.11.1	71	0.0000
UK5648	Mar-08,	6	B.2, B.1.1	14	1.0286
01100-10	May-19	· ·	D.2, D.1.1	17	1.0200
UK570	Apr-05,	6	B.1.1	46	0.0522
ONO70	Apr-17	· ·	D.11.1	10	0.0022
UK566	Apr-03,	6	B.1.1.10	48	0.05
0.1000	Apr-15	· ·	2	.0	0.00
UK481	Mar-30,	6	B.1.1	49	0.0612
	Apr-14	_			
UK157	Apr-11,	6	B.1	0	active today
	Jun-02	_			,
UK313	Mar-23,	6	B.1.1	49	0.0898
	Apr-14				
UK102	Mar-10,	6	B.1	47	0.1574
	Apr-16				
UK68	Mar-20,	6	B.1.1	33	0.2485
	Apr-30				
UK755	Mar-06,	6	B.1.1	12	1.2667
	May-21				
UK5650	Mar-08,	6	B.2.6, B.1.1	11	1.3636
	May-22				
UK443	Mar-31,	6	B.1.1	19	0.4632
	May-14				
UK512	Mar-30,	6	B.1.1	50	0.056
	Apr-13				
UK284	Apr-02,	6	B.1.1	38	0.1211
	Apr-25				
UK447	Apr-05,	6	B.1.1	42	0.0762
	Apr-21				
UK27	Mar-08,	6	B.1.1	37	0.2649
	Apr-26				
UK4237	Apr-15,	6	B.1.1	48	0.0
	Apr-15				
UK659	Mar-21,	6	В	64	0.0281
	Mar-30				
UK489	Mar-23,	6	B.2.1	56	0.0536
	Apr-07				
UK4399	Mar-08,	6	B.1.1	47	0.1383
	Apr-16				
UK670	Mar-28,	6	B.1.1	26	0.2564
	May-07				
UK3126	Apr-06,	6	B.1.1	29	0.1931
	May-04				
UK202	Mar-10,	6	B.1.1	28	0.1538
	May-05				
UK263	Mar-20,	6	B.1.p11	50	0.096
	Apr-13				

Lineage name	Date range	Number of sequences	Global lineage	Time since last sample (days)	Activity score
UK16	Apr-16,	6	B.1.1	27	0.1481
	May-06				
UK188	Mar-07,	6	B.1	55	0.0727
	Apr-08				
UK682	Mar-21,	6	B.2, B.2.1	63	0.0265
	Mar-31				
UK440	Mar-28,	6	B.1.1.10	50	0.064
	Apr-13				
UK680	Apr-05,	6	B.1	49	0.0367
	Apr-14				
UK857	Mar-24,	6	B.2.1	65	0.0154
	Mar-29				

Table S2 Raw data for figure two showing lags between the most recent sequence and current date for each sequencing centre

	Centre	Lag in days
0	NOTT	3
1	CAMB	6
2	PORT	11
3	SANG	11
4	BIRM	12
5	SHEF	14
6	NORW	15
7	PHEC	17
8	LIVE	21
9	LOND	22
10	NORT	22
11	EXET	23
12	OXON	52

Table S3 Raw data for figure three showing the number of admin2 regions a lineage is present in over time

Week commencing	UK5	UK2464	UK2916	UK9	UK4	UK2913	UK6	UK19	UK36	UK177
2020-02-02	0	0	2	0	0	0	0	0	0	
2020-02-09	0	0	1	0	0	0	0	0	0	0
2020-02-23	0	0	10	0	1	0	0	0	0	0
2020-03-01	3	0	14	0	7	0	0	0	0	0
2020-03-08	13	3	8	2	5	2	0	2	0	0
2020-03-15	11	7	9	4	7	3	2	3	1	0
2020-03-22	16	10	8	7	14	8	1	5	2	1
2020-03-29	21	14	10	13	12	8	5	6	6	5
2020-04-05	23	14	11	10	6	9	5	8	4	8
2020-04-12	21	9	10	8	3	6	5	4	6	6
2020-04-19	17	7	5	1	2	2	6	4	3	2
2020-04-26	22	7	4	2	1	3	5	3	2	5
2020-05-03	12	4	2	1	0	0	3	1	2	3
2020-05-10	11	2	1	1	0	0	1	1	3	1
2020-05-17	12	1	0	0	1	0	0	0	1	0
2020-05-24	6	1	0	0	0	0	0	0	0	0
2020-05-31	1	0	0	0	0	0	0	0	0	0

Table S4 is not appropriate for this report and so has been omitted.

Table S5 Raw data for figure five showing when lineages started per day, divided by singletons and non-singletons

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-02-03	2	1	3
2020-02-05	1	0	1
2020-02-08	2	0	2
2020-02-09	1	1	2
2020-02-13	1	1	2
2020-02-14	0	1	1
2020-02-15	0	2	2
2020-02-16	2	1	3
2020-02-18	1	0	1
2020-02-19	1	0	1
2020-02-20	1	0	1
2020-02-23	1	1	2
2020-02-24	2	1	3
2020-02-25	3	4	7
2020-02-26	4	2	6
2020-02-27	6	2	8
2020-02-28	4	6	10
2020-02-29	9	1	10
2020-03-01	13	10	23
2020-03-02	35	10	45
2020-03-03	30	14	44
2020-03-04	32	17	49
2020-03-05	35	12	47
2020-03-06	30	22	52
2020-03-07	18	6	24
2020-03-08	24	12	36
2020-03-09	34	14	48
2020-03-10	40	28	68
2020-03-11	65	34	99
2020-03-12	83	38	121
2020-03-13	36	27	63
2020-03-14	33	21	54
2020-03-15	25	17	42
2020-03-16	29	19	48
2020-03-17	32	30	62
2020-03-18	60	44	104
2020-03-19	50	29	79
2020-03-20	61	42	103
2020-03-21	62	35	97
2020-03-22	67	26	93
2020-03-23	110	47	157
2020-03-24	108	29	137
2020-03-25	93	36	129
2020-03-26	89	45	134
2020-03-27	91	40	131
2020-03-28	97	39	136

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-03-29	101	40	141
2020-03-30	136	49	185
2020-03-31	117	48	165
2020-04-01	112	32	144
2020-04-02	117	38	155
2020-04-03	105	29	134
2020-04-04	82	31	113
2020-04-05	89	18	107
2020-04-06	112	21	133
2020-04-07	95	19	114
2020-04-08	71	22	93
2020-04-09	55	12	67
2020-04-10	66	9	75
2020-04-11	45	13	58
2020-04-12	37	6	43
2020-04-13	34	9	43
2020-04-14	48	14	62
2020-04-15	47	12	59
2020-04-16	45	10	55
2020-04-17	44	9	53
2020-04-18	17	7	24
2020-04-19	21	4	25
2020-04-20	20	5	25
2020-04-21	19	1	20
2020-04-22	6	7	13
2020-04-23	9	0	9
2020-04-24	6	1	7
2020-04-25	7	1	8
2020-04-26	6	1	7
2020-04-27	10	4	14
2020-04-28	8	2	10
2020-04-29	15	5	20
2020-04-30	12	4	16
2020-05-01	22	7	29
2020-05-02	5	2	7
2020-05-03	6	0	6
2020-05-04	12	2	14
2020-05-05	9	0	9
2020-05-06	8	1	9
2020-05-07	4	2	6
2020-05-08	3	0	3
2020-05-09	1	0	1
2020-05-10	3	1	4
2020-05-11	5	1	6
2020-05-13	0	1	1
2020-05-14	2	2	4
2020-05-15	1	0	1
2020-05-17	1	0	1
2020-05-18	2	0	2

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-05-20	1	0	1
2020-05-21	1	0	1

Table S6 Raw data for figure six showing the number of sequences taken over time.

Day	Fraland
Day	England
2020-02-03	5
2020-02-05	1
2020-02-08	2
2020-02-09	2
2020-02-13	2
2020-02-14	2
2020-02-15	2
2020-02-16	4
2020-02-18	1
2020-02-19	1
2020-02-20	1
2020-02-23	2
2020-02-24	4
2020-02-25	7
2020-02-26	6
2020-02-27	19
2020-02-28	24
2020-02-29	22
2020-03-01	51
2020-03-02	72
2020-03-03	91
2020-03-04	102
2020-03-05	81
2020-03-06	74
2020-03-07	43
2020-03-08	50
2020-03-09	71
2020-03-10	89
2020-03-11	145
2020-03-12	179
2020-03-13	102
2020-03-14	83
2020-03-15	64
2020-03-16	79
2020-03-17	118
2020-03-18	184
2020-03-19	142
2020-03-20	194
2020-03-21	203
2020-03-22	193
2020-03-23	332
2020-03-24	285
2020-03-25	276
2020-03-26	299
2020-03-27	292
2020-03-28	299
2020-03-29	339

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Day	England
2020-03-30	482
2020-03-31	441
2020-04-01	401
2020-04-02	414
2020-04-03	416
2020-04-04	336
2020-04-05	346
2020-04-06	428
2020-04-07	396
2020-04-08	344
2020-04-09	293
2020-04-10	303
2020-04-11	256
2020-04-12	206
2020-04-13	239
2020-04-14	309
2020-04-15	302
2020-04-16	286
2020-04-17	219
2020-04-18	137
2020-04-19	155
2020-04-20	153
2020-04-21	113
2020-04-22	122
2020-04-23	86
2020-04-24	49
2020-04-25	50
2020-04-26	80
2020-04-27	125
2020-04-28	102
2020-04-29	190
2020-04-30	170
2020-05-01	205
2020-05-02	106
2020-05-03	68
2020-05-04	115
2020-05-05	75
2020-05-06	86
2020-05-07	87
2020-05-08	44
2020-05-09	43
2020-05-10	41
2020-05-11	82
2020-05-12	56
2020-05-13	49
2020-05-14	31
2020-05-15	22
2020-05-16	15
2020-05-17	14

Day	England	
2020-05-18	44	
2020-05-19	42	
2020-05-20	28	
2020-05-21	32	
2020-05-22	26	
2020-05-23	11	
2020-05-24	9	
2020-05-25	13	
2020-05-26	11	
2020-05-27	9	
2020-05-28	11	
2020-05-29	4	
2020-05-30	5	
2020-05-31	4	
2020-06-01	3	
2020-06-02	5	

Table S7 Raw data for the figure seven with the number of sequences assigned to each admin2 region.

Admin2	Country	Number of sequences	Sequence group
BATH AND NORTH EAST SOMERSET	England	0	0
BEDFORDSHIRE	England	418	400-500
BERKSHIRE	England	8	1-10
BLACKBURN WITH DARWEN	England	0	0
BLACKPOOL	England	0	0
BOLTON	England	0	0
BOURNEMOUTH	England	0	0
BRIGHTON AND HOVE	England	0	0
BRISTOL	England	18	10-50
BUCKINGHAMSHIRE	England	349	300-400
BURY	England	0	0
CAMBRIDGESHIRE	England	668	>500
CENTRAL BEDFORDSHIRE	England	0	0
CHESHIRE	England	12	10-50
CORNWALL	England	20	10-50
CUMBRIA	England	32	10-50
DARLINGTON	England	0	0
DERBY	England	0	0
DERBYSHIRE	England	25	10-50
DEVON	England	283	250-300
DORSET	England	159	150-200
DURHAM	England	6	1-10
EAST RIDING OF YORKSHIRE	England	33	10-50
ESSEX	England	1209	>500
GATESHEAD	England	0	0
GLOUCESTERSHIRE	England	456	400-500
GREATER LONDON	England	2312	>500
HALTON	England	0	0
HAMPSHIRE	England	122	100-150
HARTLEPOOL	England	0	0
HEREFORDSHIRE	England	4	1-10
HERTFORDSHIRE	England	933	>500
ISLE OF WIGHT	England	0	0
ISLES OF SCILLY	England	0	0
KENT	England	29	10-50
KINGSTON UPON HULL	England	0	0
LANCASHIRE	England	8	1-10
LEICESTER	England	0	0
LEICESTERSHIRE	England	5	1-10
LINCOLNSHIRE	England	16	10-50
LUTON	England	0	0
MANCHESTER	England	30	10-50
MEDOEVOIDE	England	0	0
MERSEYSIDE	England	59	50-100
MIDDLESBROUGH	England	0	0
MILTON KEYNES	England	0	0
NORFOLK	England	559	>500

Admin2	Country	Number of sequences	Sequence group
NORTH LINCOLNSHIRE	England	0	0
NORTH SOMERSET	England	0	0
NORTH YORKSHIRE	England	63	50-100
NORTHAMPTONSHIRE	England	22	10-50
NORTHUMBERLAND	England	4	1-10
NOTTINGHAM	England	634	>500
NOTTINGHAMSHIRE	England	58	50-100
OLDHAM	England	0	0
OXFORDSHIRE	England	97	50-100
PETERBOROUGH	England	0	0
PLYMOUTH	England	1	1-10
POOLE	England	0	0
PORTSMOUTH	England	0	0
REDCAR AND CLEVELAND	England	0	0
ROCHDALE	England	0	0
RUTLAND	England	0	0
SALFORD	England	0	0
SHROPSHIRE	England	1	1-10
SOMERSET	England	356	300-400
SOUTH GLOUCESTERSHIRE	England	0	0
SOUTH YORKSHIRE	England	1250	>500
SOUTHAMPTON	England	0	0
SOUTHEND-ON-SEA	England	0	0
STAFFORDSHIRE	England	49	10-50
STOCKPORT	England	0	0
STOCKTON-ON-TEES	England	0	0
STOKE-ON-TRENT	England	0	0
SUFFOLK	England	503	>500
SURREY	England	64	50-100
SUSSEX	England	1	1-10
SWINDON	England	0	0
TAMESIDE	England	0	0
TELFORD AND WREKIN	England	0	0
THURROCK	England	0	0
TORBAY	England	0	0
TRAFFORD	-	0	0
TYNE AND WEAR	England		
	England	38	10-50
WARRINGTON	England	0	0
WARWICKSHIRE	England	10	10-50
WEST MIDLANDS	England	95	50-100
WEST YORKSHIRE	England	20	10-50
WIGAN	England	0	0
WILTSHIRE	England	245	200-250
WORCESTERSHIRE	England	12	10-50
YORK	England	0	0