Lineages report for SANG

This report gives summaries of UK specific lineages sequenced by SANG for week 2020-09-13. There are time lags due to batching, curation and analysis, the most recently sampled sequence is 2020-08-30. The analysis (eg time since last sample) is therefore undertaken from this date. 24326 sequences in the UK from the sequencing centre SANG have been included in this analysis.

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 72 and the maximum is 7360

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

950 are lineages which only contained five sequences or fewer, 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 101 that remain: 18 are pending extinction, ie last seen three weeks ago. 53 lineages have gone quiet, ie haven't been seen this week. 2 lineages have reactivated. 28 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 expected 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 2020-07-20

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 name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK5	166 (2.7%)	5393 (87.83%)	559 (9.1%)	22 (0.36%)	Mar-01, Aug-29	B.1.1.12, B.1.1.13, B.1.1.1, B.1.1, B.1.1.10	6140 taxa
UK1951	25 (2.72%)	883 (96.19%)	2 (0.22%)	8 (0.87%)	Mar-12, Aug-20	B.1.1.1, B.1.1	918 taxa
UK175	148 (19.45%)	592 (77.79%)	14 (1.84%)	7 (0.92%)	Mar-03, Aug-21	B.1.79, B.1, B.1.13, B.1.93, B.1.81, B.1.88, B.1.5, B.1.105, B.1.77, B.1.11, B.1.76, B.1.35, B.1.71	761 taxa
UK1271	0 (0%)	638 (99.38%)	0 (0%)	4 (0.62%)	Apr-08, Aug-26	B.1.1	642 taxa
UK1205	0 (0%)	585 (99.66%)	2 (0.34%)	0 (0%)	Mar-04, Aug-21	B.1.1.1, B.1.1	587 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK107	16 (3.04%)	496 (94.3%)	14 (2.66%)	0 (0%)	Mar-08, Jul-03	B.2, B.2.1	526 taxa
UK109	67 (13.11%)	434 (84.93%)	9 (1.76%)	1 (0.2%)	Mar-14, Aug-18	B.1.79, B.1.100, B.1.99, B.1.5, B.1.77, B.1	511 taxa
UK1855	5 (1.18%)	272 (64.15%)	147 (34.67%)	0 (0%)	Apr-20, Aug-26	B.1.1.3, B.1.1	424 taxa
UK1683	24 (5.84%)	377 (91.73%)	9 (2.19%)	1 (0.24%)	Mar-25, Aug-21	B.1.1.1, B.1.1	411 taxa
UK2068	16 (4.29%)	356 (95.44%)	1 (0.27%)	0 (0%)	Mar-31, Aug-18	B.1.1.4, B.1.1	373 taxa

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.

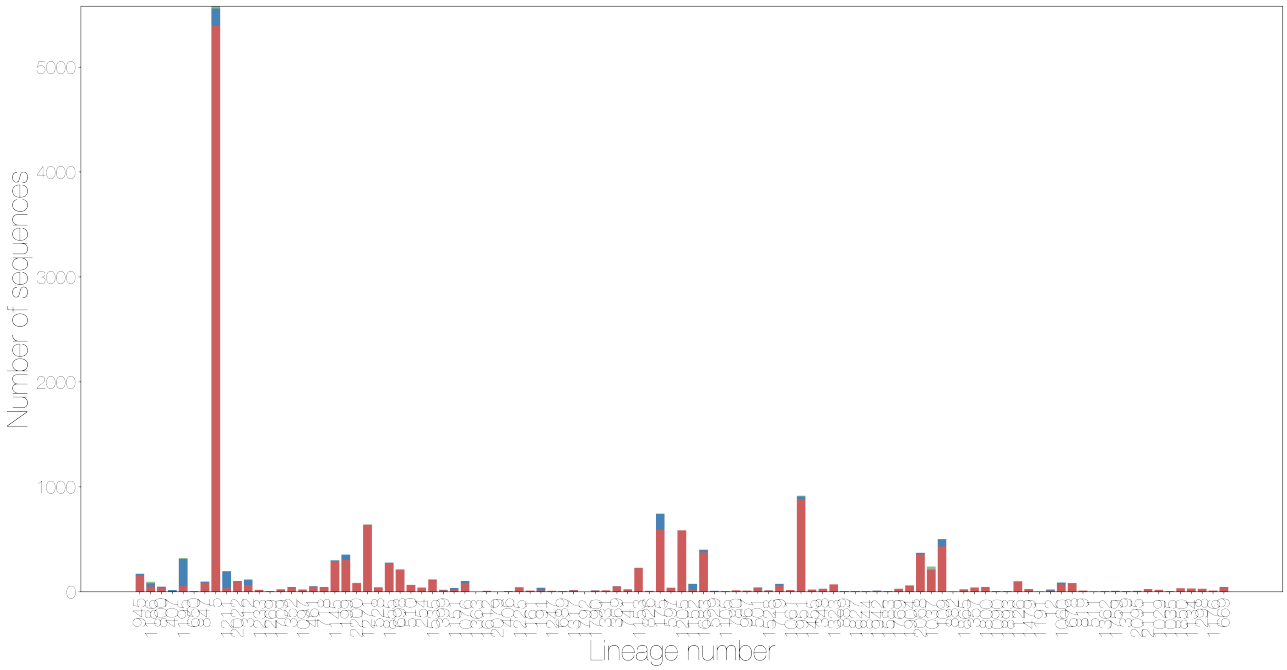

Figure 1: Number of sequences sampled in a lineage by country

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.

```
---------------------------------------------------------------------------NameError
Traceback (most recent call last)<ipython-input-1-2620455843ef> in
<module>
      2     lag_dict, lags = dp.sequencing_centre_lags(taxa, sc_dict,
current_date, country)
```

```
      3 elif sequencing_centre != "":
----> 4     print("The lag for this sequencing centre is " +
str(lags[sequencing_centre]) + " days")
NameError: name 'lags' is not defined
```

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.

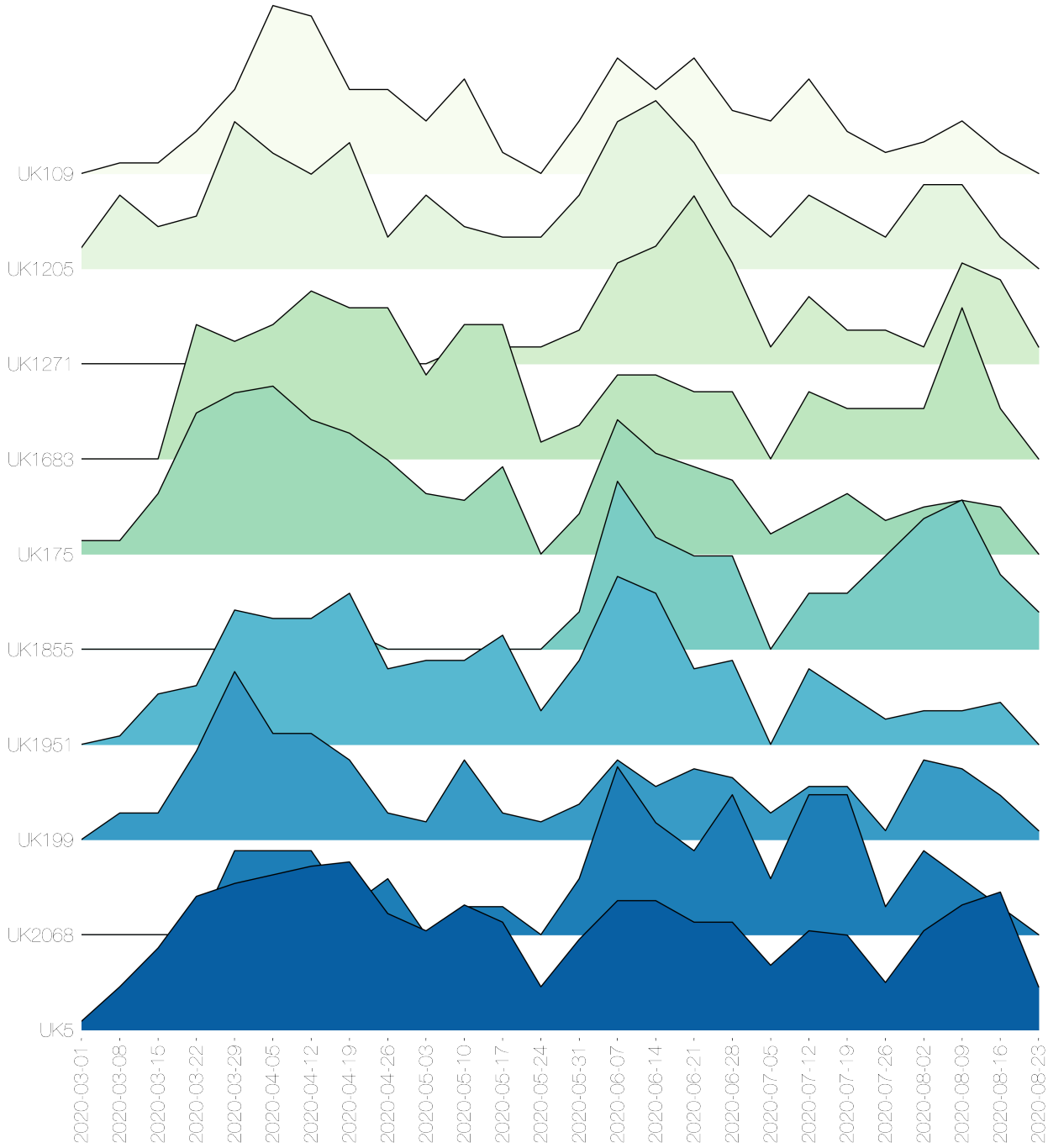

Figure 2: Lineages by number of adm2 regions present by epiweek

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.

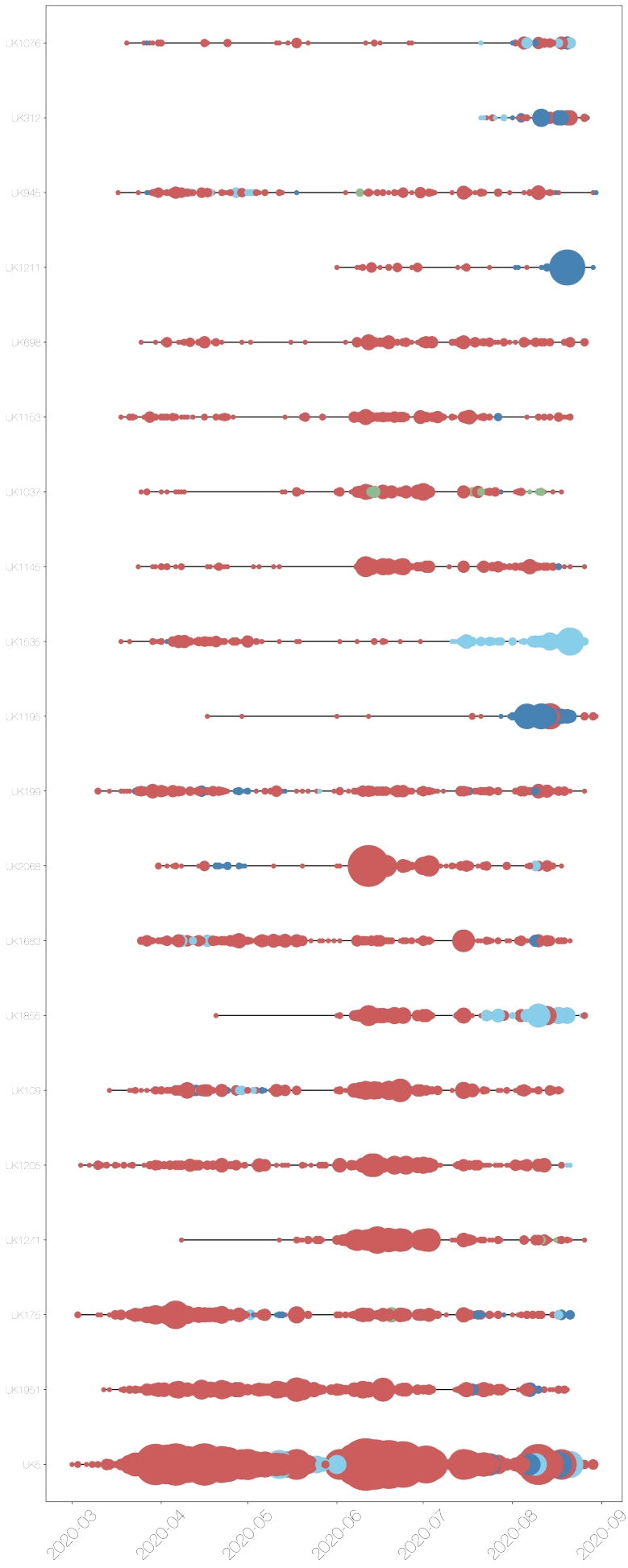

Figure 3: Timeline of lineages, sized by number of sequences from each country.

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

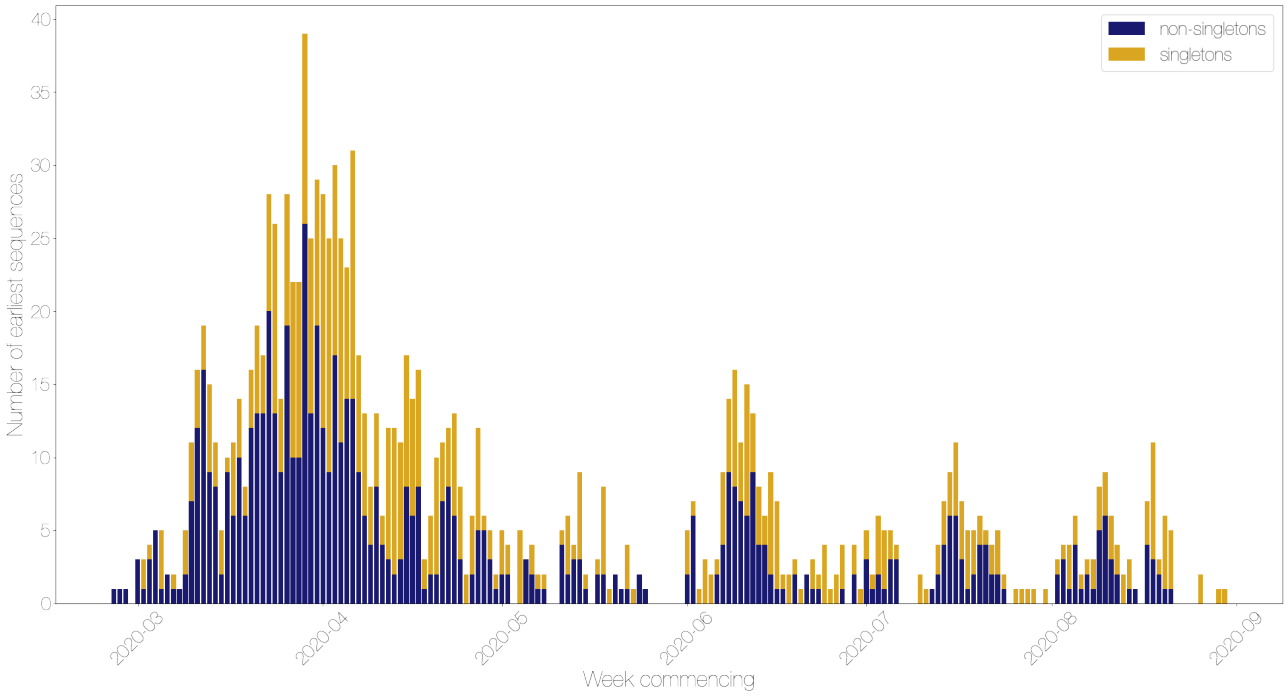

Figure 4: Lineage starts per week, split by singletons and non-singletons

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.

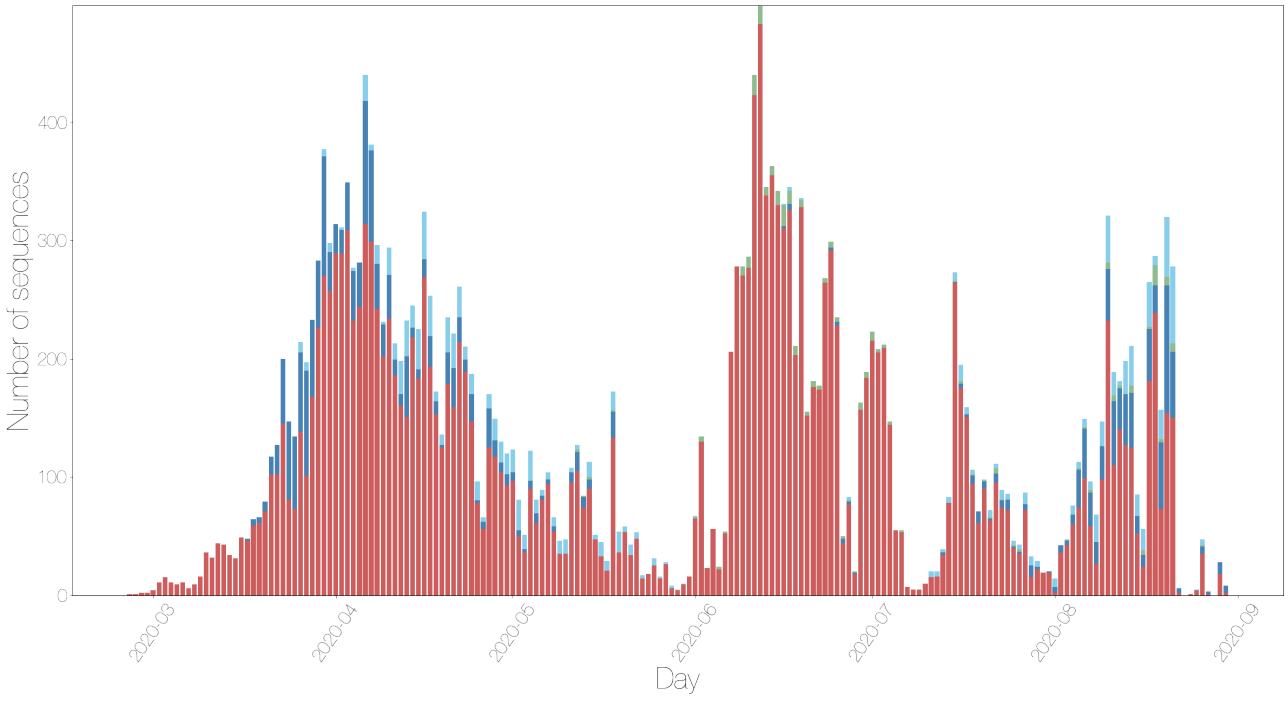

Figure 5: Sequences taken on each day by country

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.

```
There are 4338 sequences without enough geographical information to
map from this centre.
```

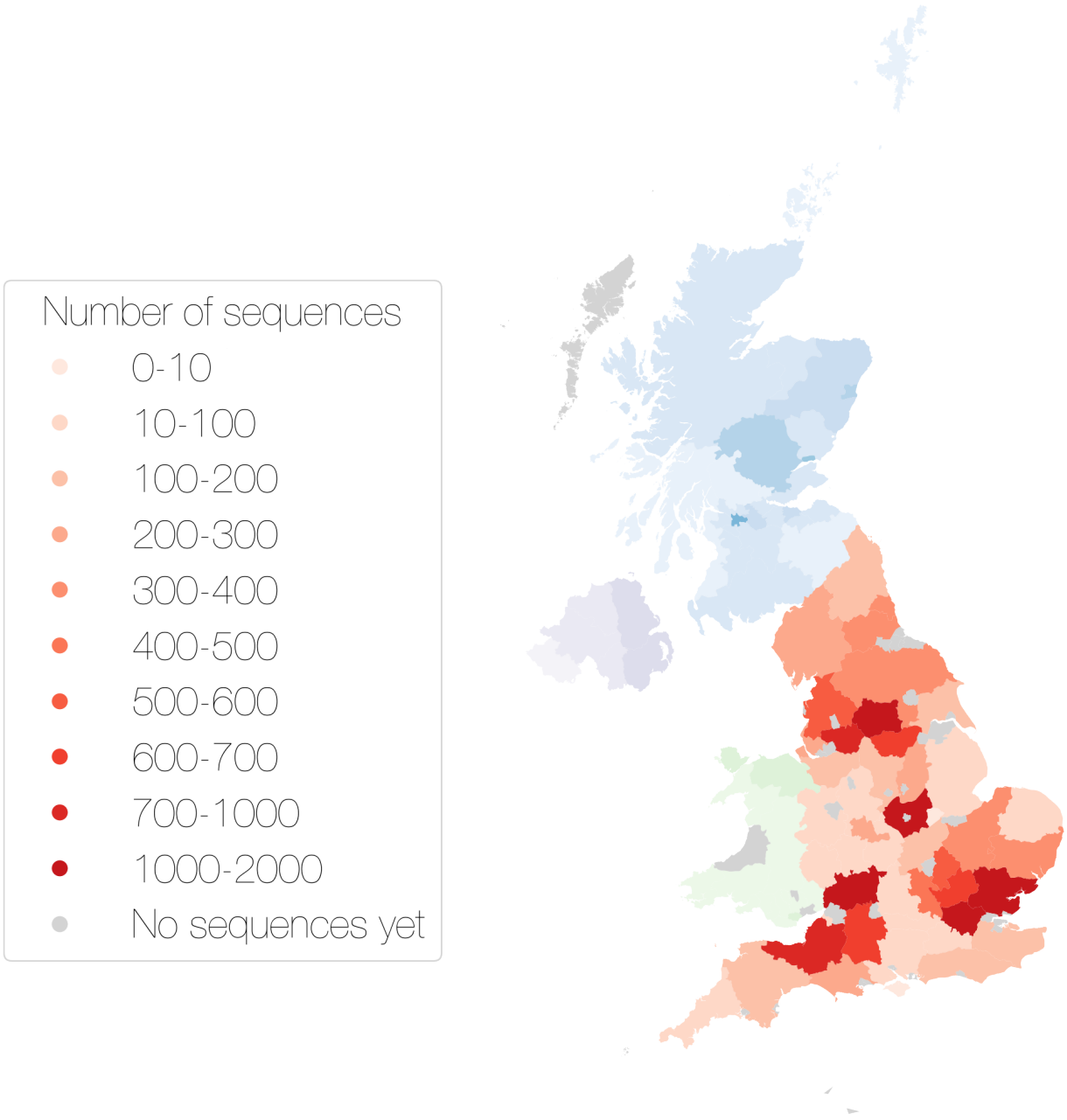

Figure 6: Map showing the number of sequences sampled by adm2 region

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 name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK5	166 (2.7%)	5393 (87.83%)	559 (9.1%)	22 (0.36%)	Mar-01, Aug-29	B.1.1.12, B.1.1.13, B.1.1.1, B.1.1, B.1.1.10	6140 taxa
UK1951	25 (2.72%)	883 (96.19%)	2 (0.22%)	8 (0.87%)	Mar-12, Aug-20	B.1.1.1, B.1.1	918 taxa
UK175	148 (19.45%)	592 (77.79%)	14 (1.84%)	7 (0.92%)	Mar-03, Aug-21	B.1.79, B.1, B.1.13, B.1.93, B.1.81, B.1.88, B.1.5, B.1.105, B.1.77, B.1.11, B.1.76, B.1.35, B.1.71	761 taxa
UK1271	0 (0%)	638 (99.38%)	0 (0%)	4 (0.62%)	Apr-08, Aug-26	B.1.1	642 taxa
UK1205	0 (0%)	585 (99.66%)	2 (0.34%)	0 (0%)	Mar-04, Aug-21	B.1.1.1, B.1.1	587 taxa
UK107	16 (3.04%)	496 (94.3%)	14 (2.66%)	0 (0%)	Mar-08, Jul-03	B.2, B.2.1	526 taxa
UK109	67 (13.11%)	434 (84.93%)	9 (1.76%)	1 (0.2%)	Mar-14, Aug-18	B.1.79, B.1.100, B.1.99, B.1.5, B.1.77, B.1	511 taxa
UK1855	5 (1.18%)	272 (64.15%)	147 (34.67%)	0 (0%)	Apr-20, Aug-26	B.1.1.3, B.1.1	424 taxa
UK1683	24 (5.84%)	377 (91.73%)	9 (2.19%)	1 (0.24%)	Mar-25, Aug-21	B.1.1.1, B.1.1	411 taxa
UK2068	16 (4.29%)	356 (95.44%)	1 (0.27%)	0 (0%)	Mar-31, Aug-18	B.1.1.4, B.1.1	373 taxa
UK199	50 (14.04%)	304 (85.39%)	1 (0.28%)	1 (0.28%)	Mar-10, Aug-26	B.1.104, B.1, B.1.5, B.1.5.10	356 taxa
UK1195	259 (80.19%)	53 (16.41%)	0 (0%)	11 (3.41%)	Apr-17, Aug-30	B.1.1.25, B.1.1	323 taxa
UK1535	4 (1.3%)	114 (37.01%)	190 (61.69%)	0 (0%)	Mar-18, Aug-26	B.1.1.3, B.1.1	308 taxa
UK1145	5 (1.67%)	294 (98.33%)	0 (0%)	0 (0%)	Mar-24, Aug-26	B.1.1	299 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK2913	28 (9.52%)	247 (84.01%)	19 (6.46%)	0 (0%)	Mar-11, Jul-15	B.1.11, B.1.13, B.1	294 taxa
UK336	232 (85.29%)	37 (13.6%)	3 (1.1%)	0 (0%)	Mar-19, Jun-17	B.1, B.1.77, B.1.93	272 taxa
UK2464	90 (37.19%)	152 (62.81%)	0 (0%)	0 (0%)	Mar-12, Jun-29	B.1.11, B.1.90, B.1, B.1.81	242 taxa
UK1037	1 (0.41%)	210 (87.14%)	0 (0%)	30 (12.45%)	Mar-25, Aug-18	B.1.1.30, B.1.1	241 taxa
UK1153	2 (0.87%)	226 (98.69%)	1 (0.44%)	0 (0%)	Mar-18, Aug-21	B.1.1	229 taxa
UK167	20 (8.73%)	183 (79.91%)	26 (11.35%)	0 (0%)	Mar-11, Jul-15	B.1.5, B.1, B.1.117, B.1.2	229 taxa
UK5676	65 (29.82%)	153 (70.18%)	0 (0%)	0 (0%)	Feb-26, Jun-15	B.2.9, B.2	218 taxa
UK698	3 (1.4%)	209 (97.66%)	1 (0.47%)	1 (0.47%)	Mar-25, Aug-26	B.1.1	214 taxa
UK1211	163 (82.32%)	34 (17.17%)	1 (0.51%)	0 (0%)	Jun-01, Aug-29	B.1.1	198 taxa
UK2916	11 (5.73%)	180 (93.75%)	1 (0.52%)	0 (0%)	Feb-27, Jul-17	B.1.11, B.1, B.1.98	192 taxa
UK945	16 (8.51%)	155 (82.45%)	15 (7.98%)	2 (1.06%)	Mar-17, Aug-30	B.1.1.28, B.1.1	188 taxa
UK1278	0 (0%)	154 (100.0%)	0 (0%)	0 (0%)	Mar-23, Jul-27	B.1.1	154 taxa
UK9	0 (0%)	151 (100.0%)	0 (0%)	0 (0%)	Mar-12, May-18	B.1.13, B.1, B.1.5	151 taxa
UK494	0 (0%)	142 (100.0%)	0 (0%)	0 (0%)	Mar-21, Jul-16	B.1.11, B.1.104, B.1	142 taxa
UK72	6 (4.32%)	130 (93.53%)	3 (2.16%)	0 (0%)	Mar-03, May-22	B, B.2	139 taxa
UK5741	1 (0.78%)	127 (99.22%)	0 (0%)	0 (0%)	Mar-11, Jul-15	B.1, B.1.5	128 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK312	49 (39.2%)	67 (53.6%)	6 (4.8%)	3 (2.4%)	Jul-21, Aug-27	B.1	125 taxa
UK740	3 (2.46%)	119 (97.54%)	0 (0%)	0 (0%)	Mar-18, Jun-13	B.1.1	122 taxa
UK1076	20 (18.02%)	83 (74.77%)	7 (6.31%)	1 (0.9%)	Mar-20, Aug-22	B.1.1	111 taxa
UK1684	15 (13.89%)	93 (86.11%)	0 (0%)	0 (0%)	Mar-21, Jul-04	B.1.1.1, B.1.1	108 taxa
UK847	9 (8.41%)	86 (80.37%)	10 (9.35%)	2 (1.87%)	Apr-06, Aug-29	B.1, B.1.36	107 taxa
UK1186	29 (27.36%)	51 (48.11%)	10 (9.43%)	16 (15.09%)	Aug-03, Aug-30	B.1.79, B.1	106 taxa
UK2022	1 (0.95%)	103 (98.1%)	1 (0.95%)	0 (0%)	Jun-09, Aug-27	B.1.1	105 taxa
UK1126	2 (1.98%)	99 (98.02%)	0 (0%)	0 (0%)	Mar-22, Aug-17	B.1.1	101 taxa
UK267	17 (17.71%)	79 (82.29%)	0 (0%)	0 (0%)	Mar-12, Jul-15	B, B.2	96 taxa
UK5498	5 (5.43%)	87 (94.57%)	0 (0%)	0 (0%)	Mar-14, Jul-19	B.2	92 taxa
UK1060	17 (18.68%)	71 (78.02%)	3 (3.3%)	0 (0%)	Mar-10, Aug-14	B.1.1.1, B.1.1	91 taxa
UK2200	7 (7.78%)	75 (83.33%)	3 (3.33%)	5 (5.56%)	Mar-17, Aug-26	B.1, B.1.5	90 taxa
UK1065	0 (0%)	21 (24.14%)	0 (0%)	66 (75.86%)	Jun-02, Jul-22	B.1.1	87 taxa
UK678	2 (2.41%)	81 (97.59%)	0 (0%)	0 (0%)	Mar-21, Aug-14	B.1.1	83 taxa
UK1152	54 (67.5%)	22 (27.5%)	4 (5.0%)	0 (0%)	Jul-16, Aug-21	B.1.1	80 taxa
UK719	17 (22.08%)	58 (75.32%)	1 (1.3%)	1 (1.3%)	Mar-20, Aug-20	B.1.1	77 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK917	2 (2.63%)	74 (97.37%)	0 (0%)	0 (0%)	Mar-15, Jun-18	B.1.1	76 taxa
UK40	72 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, Apr-07	B, B.16, B.2	72 taxa
UK1323	0 (0%)	72 (100.0%)	0 (0%)	0 (0%)	Mar-21, Aug-19	B.1.1	72 taxa
UK461	3 (4.35%)	50 (72.46%)	15 (21.74%)	1 (1.45%)	Aug-02, Aug-26	B.1	69 taxa
UK510	1 (1.47%)	66 (97.06%)	1 (1.47%)	0 (0%)	Jul-18, Aug-26	B.1.106, B.1	68 taxa
UK600	6 (8.82%)	61 (89.71%)	1 (1.47%)	0 (0%)	Mar-01, Jun-21	B.1, B.1.1	68 taxa
UK315	4 (5.88%)	64 (94.12%)	0 (0%)	0 (0%)	Mar-05, Aug-02	B.2.2, B.2	68 taxa
UK1297	0 (0%)	67 (100.0%)	0 (0%)	0 (0%)	Apr-16, Jun-11	B.1	67 taxa
UK51	2 (3.03%)	64 (96.97%)	0 (0%)	0 (0%)	Mar-26, Jul-15	B.1, B.1.36	66 taxa
UK387	8 (12.5%)	53 (82.81%)	3 (4.69%)	0 (0%)	Mar-11, Jul-31	B.1, B.1.77, B.1.5	64 taxa
UK1215	0 (0%)	64 (100.0%)	0 (0%)	0 (0%)	Mar-16, Jun-10	B.1.1.1, B.1.1	64 taxa
UK1904	0 (0%)	61 (100.0%)	0 (0%)	0 (0%)	May-05, Aug-18	B.1.1	61 taxa
UK596	0 (0%)	56 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-24	B.1.5, B.1, B.1.72	56 taxa
UK1157	0 (0%)	52 (94.55%)	3 (5.45%)	0 (0%)	Mar-13, Jul-23	B.1.1.7, B.1.1	55 taxa
UK1091	0 (0%)	49 (89.09%)	0 (0%)	6 (10.91%)	Mar-13, Jun-21	B.1.1.2, B.1.1	55 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK800	10 (18.52%)	39 (72.22%)	5 (9.26%)	0 (0%)	Jul-15, Aug-30	B.1	54 taxa
UK1155	0 (0%)	53 (98.15%)	0 (0%)	1 (1.85%)	Mar-11, Jun-21	B.1.1	54 taxa
UK369	1 (1.89%)	52 (98.11%)	0 (0%)	0 (0%)	Jun-12, Aug-21	B.1, B.1.113	53 taxa
UK61	0 (0%)	52 (100.0%)	0 (0%)	0 (0%)	Mar-12, Jun-18	B.3	52 taxa
UK1051	0 (0%)	50 (100.0%)	0 (0%)	0 (0%)	Mar-30, Jul-25	B.1.1	50 taxa
UK528	3 (6.12%)	39 (79.59%)	5 (10.2%)	2 (4.08%)	Jul-22, Aug-26	B.1	49 taxa
UK1800	0 (0%)	46 (97.87%)	0 (0%)	1 (2.13%)	Apr-16, Aug-17	B.1.1	47 taxa
UK718	0 (0%)	47 (100.0%)	0 (0%)	0 (0%)	Jun-22, Aug-26	B.1.1	47 taxa
UK1212	6 (13.04%)	39 (84.78%)	1 (2.17%)	0 (0%)	Mar-23, Jul-04	B.1.1	46 taxa
UK669	3 (6.52%)	43 (93.48%)	0 (0%)	0 (0%)	Mar-17, Aug-03	B.1.1	46 taxa
UK352	3 (6.52%)	43 (93.48%)	0 (0%)	0 (0%)	Jul-05, Aug-26	B.1, B.1.113	46 taxa
UK1225	1 (2.27%)	43 (97.73%)	0 (0%)	0 (0%)	Apr-28, Aug-21	B.1.1.1, B.1.1	44 taxa
UK4	1 (2.33%)	41 (95.35%)	1 (2.33%)	0 (0%)	Mar-11, Apr-25	B	43 taxa
UK39	43 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, May-14	A.2	43 taxa
UK31	0 (0%)	42 (100.0%)	0 (0%)	0 (0%)	Mar-10, May-17	B.3	42 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK501	6 (14.29%)	35 (83.33%)	0 (0%)	1 (2.38%)	Mar-12, Aug-20	B.1	42 taxa
UK357	0 (0%)	42 (100.0%)	0 (0%)	0 (0%)	Jun-01, Aug-17	B.1	42 taxa
UK254	2 (4.88%)	36 (87.8%)	0 (0%)	3 (7.32%)	Aug-03, Aug-26	B.1	41 taxa
UK597	1 (2.44%)	37 (90.24%)	2 (4.88%)	1 (2.44%)	Apr-06, Aug-21	B.1, B.1.117, B.1.5	41 taxa
UK1119	0 (0%)	4 (10.26%)	0 (0%)	35 (89.74%)	Apr-04, Jul-16	B.1.1	39 taxa
UK37	0 (0%)	38 (100.0%)	0 (0%)	0 (0%)	Mar-17, May-04	B.1, B.1.30, B.1.5	38 taxa
UK601	5 (13.16%)	8 (21.05%)	25 (65.79%)	0 (0%)	Mar-12, May-15	B.10, B	38 taxa
UK191	24 (63.16%)	14 (36.84%)	0 (0%)	0 (0%)	Mar-23, Aug-21	B.1, B.1.77, B.1.5	38 taxa
UK829	0 (0%)	37 (100.0%)	0 (0%)	0 (0%)	Mar-10, Jun-14	B.2	37 taxa
UK1151	17 (47.22%)	19 (52.78%)	0 (0%)	0 (0%)	Aug-05, Aug-25	B.1	36 taxa
UK1644	0 (0%)	36 (100.0%)	0 (0%)	0 (0%)	Jun-09, Jul-21	B.1.1	36 taxa
UK1850	0 (0%)	34 (100.0%)	0 (0%)	0 (0%)	Jun-15, Aug-07	B.1.1	34 taxa
UK1218	1 (3.03%)	32 (96.97%)	0 (0%)	0 (0%)	Jun-10, Jul-22	B.1.1.1, B.1.1	33 taxa
UK79	0 (0%)	33 (100.0%)	0 (0%)	0 (0%)	Mar-24, Jun-06	B.1, B.1.5, B.1.97	33 taxa
UK1130	0 (0%)	32 (100.0%)	0 (0%)	0 (0%)	Apr-04, Apr-29	B.1.1	32 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK1134	0 (0%)	32 (100.0%)	0 (0%)	0 (0%)	May-20, Aug-06	B.1.1	32 taxa
UK1148	0 (0%)	31 (100.0%)	0 (0%)	0 (0%)	Mar-06, Jul-23	B.1.1	31 taxa
UK348	0 (0%)	30 (100.0%)	0 (0%)	0 (0%)	May-13, Aug-19	B.1	30 taxa
UK298	0 (0%)	30 (100.0%)	0 (0%)	0 (0%)	Jul-13, Aug-05	B.1, B.1.5	30 taxa
UK14	25 (86.21%)	4 (13.79%)	0 (0%)	0 (0%)	Mar-12, Apr-28	B, B.2	29 taxa
UK497	0 (0%)	29 (100.0%)	0 (0%)	0 (0%)	Mar-13, Jun-09	A.2	29 taxa
UK1769	0 (0%)	28 (100.0%)	0 (0%)	0 (0%)	Jun-12, Aug-18	B.1.1	28 taxa
UK1061	0 (0%)	17 (60.71%)	11 (39.29%)	0 (0%)	Jun-02, Aug-20	B.1	28 taxa
UK1487	21 (77.78%)	4 (14.81%)	2 (7.41%)	0 (0%)	Mar-22, Jun-24	B.1, B.1.5	27 taxa
UK2111	0 (0%)	27 (100.0%)	0 (0%)	0 (0%)	Apr-04, Aug-09	B.1.1	27 taxa
UK1479	0 (0%)	26 (100.0%)	0 (0%)	0 (0%)	Jun-09, Aug-17	B.1.1	26 taxa
UK1709	6 (23.08%)	17 (65.38%)	3 (11.54%)	0 (0%)	Aug-07, Aug-26	B.1.1	26 taxa
UK1232	0 (0%)	25 (100.0%)	0 (0%)	0 (0%)	May-18, Jul-03	B.1.1	25 taxa
UK59	3 (12.0%)	22 (88.0%)	0 (0%)	0 (0%)	Mar-14, Apr-17	B.3	25 taxa
UK399	5 (20.0%)	14 (56.0%)	6 (24.0%)	0 (0%)	Aug-10, Aug-26	B.1	25 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK21	25 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, May-07	B.1, B.1.40	25 taxa
UK1279	0 (0%)	25 (100.0%)	0 (0%)	0 (0%)	Apr-19, May-16	B.1.1	25 taxa
UK1865	0 (0%)	25 (100.0%)	0 (0%)	0 (0%)	Mar-28, Aug-17	B.1.1	25 taxa
UK2003	0 (0%)	23 (95.83%)	1 (4.17%)	0 (0%)	Mar-19, Apr-27	B.1.1	24 taxa
UK667	2 (8.33%)	22 (91.67%)	0 (0%)	0 (0%)	Mar-21, Jun-10	B.1, B.1.77	24 taxa
UK899	0 (0%)	23 (95.83%)	1 (4.17%)	0 (0%)	Apr-03, Jun-26	B.1.11, B.1	24 taxa
UK1603	0 (0%)	24 (100.0%)	0 (0%)	0 (0%)	Apr-05, Jul-27	B.1.1	24 taxa
UK462	0 (0%)	24 (100.0%)	0 (0%)	0 (0%)	May-02, Jun-09	B.1	24 taxa
UK491	0 (0%)	23 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-26	B.2.4, B.2	23 taxa
UK6	6 (26.09%)	17 (73.91%)	0 (0%)	0 (0%)	Mar-12, Jun-14	B.1.75, B.1	23 taxa
UK12	11 (47.83%)	11 (47.83%)	1 (4.35%)	0 (0%)	Mar-22, Aug-14	B.1.88, B.1	23 taxa
UK1097	0 (0%)	19 (82.61%)	0 (0%)	4 (17.39%)	Jul-06, Aug-26	B.1	23 taxa
UK741	1 (4.35%)	22 (95.65%)	0 (0%)	0 (0%)	Jun-27, Aug-21	B.1.1	23 taxa
UK1663	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-26, May-02	B.1.1	22 taxa
UK881	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-10, May-16	B.1.1	22 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK5501	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Apr-11, Jun-24	B.1.12, B.1	22 taxa
UK1140	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Apr-22, Jun-17	B.1.1	22 taxa
UK619	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-02, Apr-23	B.1.1	22 taxa
UK1721	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-23, Jul-03	B.1	22 taxa
UK1455	0 (0%)	21 (95.45%)	1 (4.55%)	0 (0%)	Aug-04, Aug-19	B.1.1.1, B.1.1	22 taxa
UK275	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-13, Jun-02	B.1.13	22 taxa
UK119	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-14, May-12	B.2	22 taxa
UK994	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-26, May-18	B.1, B.1.5	22 taxa
UK407	15 (71.43%)	3 (14.29%)	3 (14.29%)	0 (0%)	Aug-11, Aug-30	B.1.79, B.1	21 taxa
UK1213	0 (0%)	21 (100.0%)	0 (0%)	0 (0%)	Jun-08, Jul-27	B.1.1.1	21 taxa
UK1264	0 (0%)	20 (100.0%)	0 (0%)	0 (0%)	Apr-01, Jul-02	B.1.1	20 taxa
UK1619	0 (0%)	20 (100.0%)	0 (0%)	0 (0%)	Jun-10, Jul-24	B.1.1	20 taxa
UK44	16 (80.0%)	3 (15.0%)	1 (5.0%)	0 (0%)	Mar-23, Apr-27	B	20 taxa
UK274	0 (0%)	20 (100.0%)	0 (0%)	0 (0%)	Mar-14, Apr-22	B.3	20 taxa
UK1105	0 (0%)	7 (35.0%)	12 (60.0%)	1 (5.0%)	Jul-03, Aug-20	B.1	20 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK1029	0 (0%)	20 (100.0%)	0 (0%)	0 (0%)	Jun-12, Aug-09	B.1	20 taxa
UK101	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-21	B.1.5	19 taxa
UK1703	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-16, May-01	B.1	19 taxa
UK1266	0 (0%)	5 (26.32%)	14 (73.68%)	0 (0%)	Apr-01, Jun-17	B.1.1	19 taxa
UK1233	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-23, Aug-26	B.1.1	19 taxa
UK173	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-11, Apr-13	B.21, B, B.2	19 taxa
UK55	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-12	B.3	19 taxa
UK916	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Apr-01, Jul-24	B.1.1	19 taxa
UK709	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Mar-29, Jun-20	B.1.1	18 taxa
UK402	0 (0%)	17 (94.44%)	0 (0%)	1 (5.56%)	Mar-01, Jul-15	B.1	18 taxa
UK1388	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Jun-08, Jul-06	B.1.1	18 taxa
UK1234	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-23	B.1.1	18 taxa
UK108	1 (5.56%)	17 (94.44%)	0 (0%)	0 (0%)	Apr-22, Jul-16	B.1	18 taxa
UK2046	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Jun-09, Jul-01	B.1.1	18 taxa
UK1725	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-30	B.1.1.1	17 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK1577	0 (0%)	16 (94.12%)	0 (0%)	1 (5.88%)	Apr-27, Jun-30	B.1.1	17 taxa
UK507	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Apr-04, May-12	B.2.6, B.2	17 taxa
UK1908	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Mar-26, Jun-08	B.1.1	17 taxa
UK1163	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Apr-23, Jul-14	B.1.1	17 taxa
UK1158	1 (6.25%)	15 (93.75%)	0 (0%)	0 (0%)	Mar-12, Apr-28	B.1.1.7, B.1.1	16 taxa
UK1926	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Apr-20, Jul-01	B.1.1	16 taxa
UK1375	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Jun-08, Jun-25	B.1.1	16 taxa
UK699	0 (0%)	12 (75.0%)	0 (0%)	4 (25.0%)	Mar-16, Jun-30	B.1, B.1.5.9	16 taxa
UK174	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Mar-19, Jun-09	B.1, B.1.5	16 taxa
UK23	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Mar-18, May-09	B, B.9	16 taxa
UK1317	2 (12.5%)	14 (87.5%)	0 (0%)	0 (0%)	Apr-08, Aug-21	B.1.1	16 taxa
UK2045	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Mar-17, May-25	B.1, B.1.5	16 taxa
UK241	2 (12.5%)	14 (87.5%)	0 (0%)	0 (0%)	Mar-22, Apr-16	B.1, B.1.5.3	16 taxa
UK1857	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Apr-03, Jul-17	B.1.1.7, B.1.1	15 taxa
UK1861	0 (0%)	14 (93.33%)	1 (6.67%)	0 (0%)	Mar-31, Jul-15	B.1.1	15 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK187	3 (20.0%)	0 (0%)	12 (80.0%)	0 (0%)	Mar-21, May-25	B.1, B.1.77	15 taxa
UK1981	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Apr-11, Apr-30	B.1, B.1.1	15 taxa
UK515	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Mar-11, Apr-27	B.1, B.1.5	15 taxa
UK738	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Apr-07, Apr-25	B.1.1	15 taxa
UK1968	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Apr-19, Jun-29	B.1.1	15 taxa
UK331	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Jul-02, Aug-21	B.1, B.1.36	15 taxa
UK1223	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Mar-21, May-15	B.1.1.1	15 taxa
UK360	3 (21.43%)	11 (78.57%)	0 (0%)	0 (0%)	Mar-12, Apr-06	B.2.2	14 taxa
UK58	5 (35.71%)	9 (64.29%)	0 (0%)	0 (0%)	Mar-13, Apr-09	B.1	14 taxa
UK780	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Jul-05, Aug-20	B.1.3	14 taxa
UK1135	3 (21.43%)	11 (78.57%)	0 (0%)	0 (0%)	Mar-30, Apr-21	B.1.1.10, B.1.1	14 taxa
UK902	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Mar-24, Jul-22	B.1.1	14 taxa
UK1528	2 (14.29%)	12 (85.71%)	0 (0%)	0 (0%)	Jul-20, Aug-20	B.1.1	14 taxa
UK1790	1 (7.14%)	13 (92.86%)	0 (0%)	0 (0%)	Jun-11, Aug-21	B.1.1.1, B.1.1	14 taxa
UK630	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Jun-10, Jul-03	B.1.1	14 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK620	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-23, May-01	B.1	13 taxa
UK2094	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-31, Jun-24	B.1.1	13 taxa
UK1282	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-18	B.1.1	13 taxa
UK1942	2 (15.38%)	10 (76.92%)	1 (7.69%)	0 (0%)	Apr-05, Aug-18	B.1.1	13 taxa
UK1344	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Apr-05, Jun-23	B.1.1	13 taxa
UK330	11 (84.62%)	2 (15.38%)	0 (0%)	0 (0%)	Mar-27, Jul-02	B.1, B.1.5	13 taxa
UK592	1 (7.69%)	12 (92.31%)	0 (0%)	0 (0%)	Jun-11, Jul-01	B.1	13 taxa
UK132	1 (7.69%)	12 (92.31%)	0 (0%)	0 (0%)	Mar-27, May-13	B.1	13 taxa
UK1300	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Jun-09, Jul-02	B.1.1	12 taxa
UK968	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-29, Jul-18	B.1.1	12 taxa
UK2906	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-12, Jun-30	B.1	12 taxa
UK819	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Aug-02, Aug-13	B.1, B.1.113	12 taxa
UK805	0 (0%)	2 (16.67%)	0 (0%)	10 (83.33%)	Apr-28, Jul-16	B.1.1	12 taxa
UK1176	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Jul-14, Aug-04	B.1.1	12 taxa
UK231	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Jun-02, Jul-02	B.1	12 taxa
UK1838	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Apr-03, Jul-23	B.1.1	12 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK384	1 (8.33%)	11 (91.67%)	0 (0%)	0 (0%)	Feb-28, May-16	B.2.1	12 taxa
UK1964	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Jun-27	B.1.1, B.1.1.14	12 taxa
UK2079	0 (0%)	0 (0%)	12 (100.0%)	0 (0%)	Aug-19, Aug-21	B.1.1.25, B.1.1	12 taxa
UK1301	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Apr-06, Jun-18	B.1	12 taxa
UK46	1 (8.33%)	11 (91.67%)	0 (0%)	0 (0%)	Mar-14, Apr-15	B.2.1	12 taxa
UK1230	5 (41.67%)	7 (58.33%)	0 (0%)	0 (0%)	Mar-18, Jun-02	B.1.1	12 taxa
UK71	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-20, May-06	B, B.2	12 taxa
UK134	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-09, Apr-07	B.1.5	12 taxa
UK595	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-22, Apr-15	B.2.9	11 taxa
UK1161	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Jul-06, Aug-21	B.1.1	11 taxa
UK1270	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-21, Jun-24	B.1.1	11 taxa
UK1178	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-25	B.1.1.15, B.1.1	11 taxa
UK160	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	May-20, Jul-01	B.1	11 taxa
UK1336	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Apr-15, Jul-26	B.1, B.1.77	11 taxa
UK967	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Jul-14, Aug-20	B.1.1	11 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK70	0 (0%)	10 (90.91%)	1 (9.09%)	0 (0%)	Mar-12, Apr-22	B.2	11 taxa
UK701	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Jun-10, Jun-14	B.1.1	11 taxa
UK1179	0 (0%)	1 (9.09%)	10 (90.91%)	0 (0%)	Mar-29, May-16	B.1.1	11 taxa
UK4493	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-27, May-08	B.1	11 taxa
UK1380	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Jun-07, Jun-18	B.1.1	11 taxa
UK406	2 (18.18%)	4 (36.36%)	5 (45.45%)	0 (0%)	Aug-10, Aug-21	B.1.79, B.1	11 taxa
UK1411	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Jun-13, Jul-15	B.1.1	11 taxa
UK826	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Jun-12, Aug-21	B.1, B.1.36	10 taxa
UK527	1 (10.0%)	9 (90.0%)	0 (0%)	0 (0%)	Mar-22, Jun-20	B.1	10 taxa
UK2053	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-27	B.1.1	10 taxa
UK100	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, Apr-07	B.1, B.1.101	10 taxa
UK1979	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-28, Jun-13	B.1.1	10 taxa
UK529	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Aug-06, Aug-21	B.1	10 taxa
UK1295	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-14	B.1.1	10 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK1612	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Aug-09, Aug-21	B.1.1	10 taxa
UK2061	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-17, Jul-18	B.1.1	10 taxa
UK1570	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-05, Jun-23	B.1.1	10 taxa
UK1207	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-26, May-04	B.1	10 taxa
UK1244	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Jul-15, Jul-25	B.1, B.1.115	10 taxa
UK200	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-19	B.2.1	10 taxa
UK2030	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-26, Jul-22	B.1.1	10 taxa
UK120	3 (30.0%)	7 (70.0%)	0 (0%)	0 (0%)	Mar-04, Jun-07	B	10 taxa
UK422	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-21	B.1	10 taxa
UK1743	2 (22.22%)	7 (77.78%)	0 (0%)	0 (0%)	Apr-01, Jun-30	B.1.1	9 taxa
UK1133	0 (0%)	0 (0%)	0 (0%)	9 (100.0%)	Jun-02, Jun-15	B.1.1.29	9 taxa
UK1759	1 (11.11%)	8 (88.89%)	0 (0%)	0 (0%)	May-13, Aug-11	B.1	9 taxa
UK2095	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Jul-03, Aug-10	B.1.1	9 taxa
UK1361	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Jul-15, Aug-02	B.1.1.15, B.1.1	9 taxa
UK871	0 (0%)	0 (0%)	9 (100.0%)	0 (0%)	Apr-06, May-01	B.1.1	9 taxa
UK1960	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-31, May-01	B.1.1	9 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK1817	0 (0%)	8 (88.89%)	0 (0%)	1 (11.11%)	Apr-04, Jun-23	B.1.1	9 taxa
UK1982	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-20	B.1.1	9 taxa
UK1273	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Jul-15, Jul-27	B.1.1	9 taxa
UK605	8 (88.89%)	1 (11.11%)	0 (0%)	0 (0%)	Mar-30, Apr-10	B.1	9 taxa
UK1998	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Apr-10, May-01	B.1.1	9 taxa
UK882	0 (0%)	5 (55.56%)	4 (44.44%)	0 (0%)	May-21, Aug-17	B.1	9 taxa
UK49	1 (11.11%)	7 (77.78%)	1 (11.11%)	0 (0%)	Mar-18, May-07	B.9, B.2	9 taxa
UK5503	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-31, May-13	B.1	9 taxa
UK1830	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Jun-02, Jul-02	B.1.1	9 taxa
UK151	3 (33.33%)	6 (66.67%)	0 (0%)	0 (0%)	Mar-14, Apr-02	B.3	9 taxa
UK927	0 (0%)	2 (22.22%)	3 (33.33%)	4 (44.44%)	Apr-15, Jun-30	B.1.1	9 taxa
UK2007	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Apr-03, Jun-18	B.1.1	9 taxa
UK1247	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Aug-05, Aug-21	B.1	9 taxa
UK43	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, Mar-31	A.5	9 taxa
UK1363	0 (0%)	1 (11.11%)	8 (88.89%)	0 (0%)	Jul-16, Aug-21	B.1	9 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK2204	0 (0%)	2 (25.0%)	6 (75.0%)	0 (0%)	Apr-11, Jun-10	B.1	8 taxa
UK696	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Jun-11, Jun-23	B.1.1	8 taxa
UK343	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-28	B.1.105	8 taxa
UK893	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-15	B.1	8 taxa
UK1860	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-30, Jun-14	B.1.1	8 taxa
UK349	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-13, May-07	B.2.2	8 taxa
UK1792	0 (0%)	2 (25.0%)	6 (75.0%)	0 (0%)	Aug-07, Aug-21	B.1.1	8 taxa
UK1210	0 (0%)	4 (50.0%)	4 (50.0%)	0 (0%)	Jul-14, Jul-29	B.1.1.1, B.1.1	8 taxa
UK245	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-01, Apr-27	B.2	8 taxa
UK703	1 (12.5%)	6 (75.0%)	1 (12.5%)	0 (0%)	Mar-29, Apr-17	B.1.1	8 taxa
UK1216	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-29, May-02	B.1, B.1.5	8 taxa
UK1497	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-28, May-05	B.1.1.1	8 taxa
UK1717	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	May-25, Jun-16	B.1.1	8 taxa
UK1362	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-02, Aug-12	B.1.1.15, B.1.1	8 taxa
UK842	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-02, Jun-06	B.1	8 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK928	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-11, May-17	B.1.1	8 taxa
UK713	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-04	B.1.1	8 taxa
UK2063	0 (0%)	7 (87.5%)	1 (12.5%)	0 (0%)	Apr-02, Apr-22	B.1, B.1.1	8 taxa
UK86	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-23, Mar-30	B.1	8 taxa
UK1224	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Jul-12, Jul-27	B.1.1.1	7 taxa
UK511	2 (28.57%)	3 (42.86%)	2 (28.57%)	0 (0%)	Jul-24, Aug-13	B.1	7 taxa
UK1667	5 (71.43%)	2 (28.57%)	0 (0%)	0 (0%)	Apr-17, Jun-02	B.1.9, B.1	7 taxa
UK512	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-08, Apr-21	B.1.5.6, B.1.5	7 taxa
UK689	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Jul-15, Aug-21	B.1.1	7 taxa
UK1359	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	May-11, May-18	B.1.1	7 taxa
UK1583	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Aug-09, Aug-18	B.1.1	7 taxa
UK1893	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	May-24, Aug-17	B.1.1	7 taxa
UK1090	1 (14.29%)	6 (85.71%)	0 (0%)	0 (0%)	Jul-14, Aug-17	B.1	7 taxa
UK1827	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Jul-16, Aug-18	B.1.1	7 taxa
UK153	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-03	B.2	7 taxa
UK697	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Jun-08, Jul-02	B.1	7 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK319	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-08, Aug-11	B.1.79, B.1	7 taxa
UK1844	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-24, Aug-18	B.1.1	7 taxa
UK889	1 (14.29%)	6 (85.71%)	0 (0%)	0 (0%)	May-12, Aug-18	B.1	7 taxa
UK1314	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-31, Jun-11	B.1.1	7 taxa
UK607	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-18, Jun-16	B	7 taxa
UK1124	1 (14.29%)	6 (85.71%)	0 (0%)	0 (0%)	Apr-07, Jul-26	B.1.1.32, B.1.1	7 taxa
UK2051	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Jun-08, Jul-28	B.1.1	7 taxa
UK1269	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Jun-21, Aug-26	B.1.1.1, B.1.1	6 taxa
UK887	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-21, Jul-04	B.1.1	6 taxa
UK1723	1 (16.67%)	5 (83.33%)	0 (0%)	0 (0%)	Mar-31, Jun-11	B.1, B.1.30	6 taxa
UK1191	0 (0%)	5 (83.33%)	1 (16.67%)	0 (0%)	Mar-29, Aug-14	B.1.1	6 taxa
UK947	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Jul-16, Jul-18	B.1.1	6 taxa
UK650	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	May-24, Aug-29	B.1.1	6 taxa
UK478	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-23, Jul-15	B.1, B.1.5	6 taxa
UK1202	0 (0%)	5 (83.33%)	0 (0%)	1 (16.67%)	Jun-11, Jun-21	B.1.1	6 taxa
UK2034	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	May-17, Jun-28	B.1.1	6 taxa

Lineage name	Scotland	England	Northern Ireland	Wales	Date range	Global lineage	Total
UK1346	4 (66.67%)	2 (33.33%)	0 (0%)	0 (0%)	Mar-10, Jul-10	B.1.1	6 taxa
UK1263	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-09, Mar-13	B.1.1	6 taxa
UK433	3 (50.0%)	3 (50.0%)	0 (0%)	0 (0%)	Mar-22, Apr-07	B	6 taxa
UK1932	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-23, Jul-13	B.1.1	6 taxa
UK552	4 (66.67%)	2 (33.33%)	0 (0%)	0 (0%)	Mar-23, Mar-29	A.1	6 taxa
UK628	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, Apr-09	B.1	6 taxa
UK1129	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-29, May-18	B.1.1	6 taxa
UK450	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-15, Jun-17	B.1	6 taxa
UK2087	0 (0%)	5 (83.33%)	1 (16.67%)	0 (0%)	Mar-29, Jul-11	B.1.1	6 taxa
UK1064	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-05, Apr-19	B.1	6 taxa
UK564	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Jun-07, Jun-25	B.1	6 taxa
UK1366	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-24, Jun-11	B.1.1	6 taxa
UK1035	3 (50.0%)	3 (50.0%)	0 (0%)	0 (0%)	Apr-29, Aug-07	B.1.1.28, B.1.1	6 taxa
UK747	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-18	B.1	6 taxa
UK1519	1 (16.67%)	4 (66.67%)	1 (16.67%)	0 (0%)	Apr-21, Jul-03	B.1	6 taxa

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

———————————————————————————NameError Traceback (most recent call last) in 1 if not pillar2: —-> 2 lag_df = pd.DataFrame(lag_dict) 3 print(lag_df.to_markdown()) 4 else: 5 print("Table S2 is not appropriate for this report and so has been omitted.") NameError: name 'lag_dict' is not defined

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

Week commencing	UK5	UK1951	UK175	UK1271	UK1205	UK109	UK1855	UK1683	UK2068	UK199
2020-03-01	2	0	2	0	2	0	0	0	0	0
2020-03-08	10	1	2	0	7	1	0	0	0	3
2020-03-15	19	6	9	0	4	1	0	0	0	3
2020-03-22	31	7	21	0	5	4	0	8	0	10
2020-03-29	34	16	24	0	14	8	0	7	3	19
2020-04-05	36	15	25	1	11	16	0	8	3	12
2020-04-12	38	15	20	0	9	15	0	10	3	12
2020-04-19	39	18	18	0	12	8	1	9	1	9
2020-04-26	27	9	14	0	3	8	0	9	2	3
2020-05-03	23	10	9	0	7	5	0	5	0	2
2020-05-10	29	10	8	1	4	9	0	8	1	9
2020-05-17	25	13	13	1	3	2	0	8	1	3
2020-05-24	10	4	0	1	3	0	0	1	0	2
2020-05-31	21	10	6	2	7	5	2	2	2	4
2020-06-07	30	20	20	6	14	11	9	5	6	9
2020-06-14	30	18	15	7	16	8	6	5	4	6
2020-06-21	25	9	13	10	12	11	5	4	3	8
2020-06-28	25	10	11	6	6	6	5	4	5	7
2020-07-05	15	0	3	1	3	5	0	0	2	3
2020-07-12	23	9	6	4	7	9	3	4	5	6
2020-07-19	22	6	9	2	5	4	3	3	5	6
2020-07-26	11	3	5	2	3	2	5	3	1	1
2020-08-02	23	4	7	1	8	3	7	3	3	9
2020-08-09	29	4	8	6	8	5	8	9	2	8
2020-08-16	32	5	7	5	3	2	4	3	1	5
2020-08-23	10	0	0	1	0	0	2	0	0	1

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
2020-02-26	0	1	1
2020-02-27	0	1	1
2020-02-28	0	1	1
2020-03-01	0	3	3
2020-03-02	2	1	3
2020-03-03	1	3	4
2020-03-04	0	5	5
2020-03-05	4	1	5
2020-03-06	0	2	2
2020-03-07	1	1	2
2020-03-08	0	1	1
2020-03-09	3	2	5
2020-03-10	4	7	11
2020-03-11	4	12	16
2020-03-12	3	16	19
2020-03-13	6	9	15
2020-03-14	3	8	11
2020-03-15	3	2	5

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-03-16	1	9	10
2020-03-17	5	6	11
2020-03-18	4	10	14
2020-03-19	2	6	8
2020-03-20	4	12	16
2020-03-21	6	13	19
2020-03-22	4	13	17
2020-03-23	8	20	28
2020-03-24	13	13	26
2020-03-25	5	9	14
2020-03-26	9	19	28
2020-03-27	12	10	22
2020-03-28	12	10	22
2020-03-29	13	26	39
2020-03-30	12	13	25
2020-03-31	10	19	29
2020-04-01	16	12	28
2020-04-02	16	9	25
2020-04-03	13	17	30
2020-04-04	14	11	25
2020-04-05	9	14	23
2020-04-06	17	14	31
2020-04-07	8	9	17
2020-04-08	7	6	13
2020-04-09	4	4	8
2020-04-10	5	8	13
2020-04-11	2	4	6
2020-04-12	9	3	12
2020-04-13	10	2	12
2020-04-14	8	3	11
2020-04-15	9	8	17
2020-04-16	8	6	14
2020-04-17	8	8	16
2020-04-18	2	1	3
2020-04-19	4	2	6
2020-04-20	8	2	10
2020-04-21	4	7	11
2020-04-22	4	8	12
2020-04-23	7	6	13
2020-04-24	5	3	8
2020-04-25	2	0	2
2020-04-26	4	2	6
2020-04-27	7	5	12
2020-04-28	1	5	6
2020-04-29	2	3	5
2020-04-30	1	1	2
2020-05-01	3	2	5
2020-05-02	2	2	4
2020-05-04	5	0	5
2020-05-05	0	3	3
2020-05-06	2	2	4
2020-05-07	1	1	2
2020-05-08	1	1	2
2020-05-11	1	4	5
2020-05-12	4	2	6
2020-05-13	1	3	4
2020-05-14	6	3	9
2020-05-15	1	1	2
2020-05-17	1	2	3

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-05-18	6	2	8
2020-05-19	1	0	1
2020-05-20	0	2	2
2020-05-21	0	1	1
2020-05-22	3	1	4
2020-05-23	1	0	1
2020-05-24	0	2	2
2020-05-25	0	1	1
2020-06-01	3	2	5
2020-06-02	1	6	7
2020-06-03	1	0	1
2020-06-04	3	0	3
2020-06-05	2	0	2
2020-06-06	1	2	3
2020-06-07	5	4	9
2020-06-08	5	9	14
2020-06-09	8	8	16
2020-06-10	4	7	11
2020-06-11	9	6	15
2020-06-12	4	9	13
2020-06-13	4	4	8
2020-06-14	2	4	6
2020-06-15	7	2	9
2020-06-16	6	1	7
2020-06-17	1	1	2
2020-06-18	2	0	2
2020-06-19	1	2	3
2020-06-20	1	0	1
2020-06-21	0	2	2
2020-06-22	2	1	3
2020-06-23	1	1	2
2020-06-24	4	0	4
2020-06-25	1	0	1
2020-06-26	2	0	2
2020-06-27	3	1	4
2020-06-29	2	2	4
2020-06-30	1	0	1
2020-07-01	2	3	5
2020-07-02	1	1	2
2020-07-03	4	2	6
2020-07-04	4	1	5
2020-07-05	2	3	5
2020-07-06	1	3	4
2020-07-10	2	0	2
2020-07-11	1	0	1
2020-07-12	0	1	1
2020-07-13	2	2	4
2020-07-14	3	4	7
2020-07-15	3	6	9
2020-07-16	5	6	11
2020-07-17	4	3	7
2020-07-18	4	1	5
2020-07-19	3	2	5
2020-07-20	2	4	6
2020-07-21	1	4	5
2020-07-22	2	2	4
2020-07-23	3	2	5
2020-07-24	1	1	2
2020-07-26	1	0	1

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-07-27	1	0	1
2020-07-28	1	0	1
2020-07-29	1	0	1
2020-07-31	1	0	1
2020-08-02	1	2	3
2020-08-03	1	3	4
2020-08-04	3	1	4
2020-08-05	2	4	6
2020-08-06	1	1	2
2020-08-07	1	2	3
2020-08-08	2	1	3
2020-08-09	3	5	8
2020-08-10	3	6	9
2020-08-11	3	3	6
2020-08-12	2	2	4
2020-08-13	2	0	2
2020-08-14	2	1	3
2020-08-15	0	1	1
2020-08-17	3	4	7
2020-08-18	8	3	11
2020-08-19	1	2	3
2020-08-20	5	1	6
2020-08-21	4	1	5
2020-08-26	2	0	2
2020-08-29	1	0	1
2020-08-30	1	0	1

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

Day	England	Scotland	Wales	Northern Ireland
2020-02-26	1	0	0	0
2020-02-27	1	0	0	0
2020-02-28	2	0	0	0
2020-02-29	2	0	0	0
2020-03-01	4	0	0	0
2020-03-02	11	0	0	0
2020-03-03	15	0	0	0
2020-03-04	11	0	0	0
2020-03-05	9	0	0	0
2020-03-06	11	0	0	0
2020-03-07	6	0	0	0
2020-03-08	9	0	0	0
2020-03-09	16	0	0	0
2020-03-10	36	0	0	0
2020-03-11	32	0	0	0
2020-03-12	44	0	0	0
2020-03-13	43	0	0	0
2020-03-14	34	0	0	0
2020-03-15	31	0	0	0
2020-03-16	49	0	0	0
2020-03-17	46	2	0	0
2020-03-18	59	5	0	0
2020-03-19	61	5	0	0
2020-03-20	71	8	0	0
2020-03-21	102	15	0	0
2020-03-22	102	25	0	0
2020-03-23	145	55	0	0
2020-03-24	81	66	0	0

Day	England	Scotland	Wales	Northern Ireland
2020-03-25	73	61	0	0
2020-03-26	138	67	0	9
2020-03-27	101	89	0	7
2020-03-28	168	65	0	0
2020-03-29	226	57	0	0
2020-03-30	270	101	0	6
2020-03-31	257	33	0	8
2020-04-01	289	25	0	0
2020-04-02	289	20	0	2
2020-04-03	309	40	0	0
2020-04-04	232	42	0	3
2020-04-05	244	37	0	0
2020-04-06	314	104	0	22
2020-04-07	299	77	0	5
2020-04-08	242	38	0	16
2020-04-09	202	27	0	2
2020-04-10	234	37	0	23
2020-04-11	186	13	0	14
2020-04-12	160	10	0	28
2020-04-13	151	51	0	30
2020-04-14	218	8	0	19
2020-04-15	183	8	0	34
2020-04-16	269	15	0	40
2020-04-17	193	26	0	34
2020-04-18	153	11	0	8
2020-04-19	125	2	0	9
2020-04-20	179	26	0	30
2020-04-21	159	33	0	29
2020-04-22	214	21	0	26
2020-04-23	189	10	0	11
2020-04-24	147	23	0	17
2020-04-25	78	2	0	16
2020-04-26	56	6	0	4
2020-04-27	125	33	0	12
2020-04-28	117	14	0	18
2020-04-29	104	8	0	18
2020-04-30	93	9	0	18
2020-05-01	97	7	0	19
2020-05-02	50	5	0	26
2020-05-03	37	2	0	12
2020-05-04	90	7	0	25
2020-05-05	61	8	0	12
2020-05-06	81	3	0	5
2020-05-07	94	4	0	6
2020-05-08	54	4	0	8
2020-05-09	35	0	0	11
2020-05-10	35	0	0	12
2020-05-11	95	9	0	4
2020-05-12	105	16	2	4
2020-05-13	74	9	1	0
2020-05-14	90	8	2	13
2020-05-15	47	0	0	4
2020-05-16	33	0	0	12
2020-05-17	21	0	0	8
2020-05-18	133	22	1	16
2020-05-19	36	0	0	18
2020-05-20	53	0	1	4
2020-05-21	34	0	0	9
2020-05-22	48	0	0	5

Day	England	Scotland	Wales	Northern Ireland
2020-05-23	14	0	0	3
2020-05-24	18	0	0	0
2020-05-25	25	0	0	6
2020-05-26	14	0	0	2
2020-05-27	26	0	0	2
2020-05-28	6	0	0	2
2020-05-29	4	0	0	1
2020-05-30	9	0	0	1
2020-05-31	16	0	0	0
2020-06-01	65	0	1	1
2020-06-02	130	0	4	0
2020-06-03	23	0	0	0
2020-06-04	56	0	0	0
2020-06-05	22	0	2	0
2020-06-06	52	0	2	0
2020-06-07	206	0	0	0
2020-06-08	278	0	0	0
2020-06-09	270	0	8	0
2020-06-10	277	0	9	0
2020-06-11	423	0	17	0
2020-06-12	483	0	16	0
2020-06-13	338	0	7	0
2020-06-14	355	0	8	0
2020-06-15	330	0	12	0
2020-06-16	310	2	18	1
2020-06-17	326	5	11	3
2020-06-18	203	0	8	0
2020-06-19	328	0	6	2
2020-06-20	152	0	3	0
2020-06-21	176	0	5	0
2020-06-22	174	0	3	0
2020-06-23	264	0	4	0
2020-06-24	292	2	5	0
2020-06-25	228	3	4	0
2020-06-26	44	4	2	0
2020-06-27	77	2	1	3
2020-06-28	18	1	1	0
2020-06-29	157	0	6	0
2020-06-30	184	0	5	0
2020-07-01	215	0	8	0
2020-07-02	205	0	3	0
2020-07-03	209	0	3	0
2020-07-04	144	0	3	0
2020-07-05	55	0	0	0
2020-07-06	53	0	2	0
2020-07-07	7	0	0	0
2020-07-08	5	0	0	0
2020-07-09	5	0	0	0
2020-07-10	10	0	0	0
2020-07-11	15	0	0	5
2020-07-12	16	0	0	4
2020-07-13	34	2	1	2
2020-07-14	78	0	0	5
2020-07-15	264	1	1	7
2020-07-16	175	4	2	14
2020-07-17	151	2	0	6
2020-07-18	94	7	1	4
2020-07-19	61	10	0	0
2020-07-20	90	6	1	1

Day	England	Scotland	Wales	Northern Ireland
2020-07-21	63	2	1	6
2020-07-22	95	8	4	4
2020-07-23	74	6	1	8
2020-07-24	72	9	0	5
2020-07-25	40	1	1	4
2020-07-26	35	2	2	4
2020-07-27	72	5	0	10
2020-07-28	15	10	0	8
2020-07-29	22	2	0	5
2020-07-30	19	0	0	0
2020-07-31	19	1	0	0
2020-08-01	2	5	0	7
2020-08-02	36	6	0	0
2020-08-03	42	4	1	0
2020-08-04	60	8	0	8
2020-08-05	74	32	1	6
2020-08-06	99	42	1	7
2020-08-07	58	29	2	7
2020-08-08	26	19	0	23
2020-08-09	98	28	0	21
2020-08-10	232	44	5	40
2020-08-11	110	54	5	20
2020-08-12	140	35	2	4
2020-08-13	127	43	0	28
2020-08-14	125	46	6	34
2020-08-15	52	15	0	18
2020-08-16	24	10	4	18
2020-08-17	181	44	2	38
2020-08-18	239	23	17	8
2020-08-19	73	56	3	25
2020-08-20	154	108	7	51
2020-08-21	150	56	7	65
2020-08-22	2	4	0	0
2020-08-24	1	0	0	0
2020-08-25	4	0	0	1
2020-08-26	35	6	1	5
2020-08-27	1	2	0	0
2020-08-29	18	10	0	0
2020-08-30	2	6	0	0

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
ABERDEEN	Scotland	255	200-300
ABERDEENSHIRE	Scotland	138	100-200
ANGLESEY	Wales	17	10-100
ANGUS	Scotland	70	10-100
ANTRIM	Northern Ireland	347	300-400
ARGYLL AND BUTE	Scotland	6	1-10
ARMAGH	Northern Ireland	29	10-100
BEDFORDSHIRE	England	558	500-600
BERKSHIRE	England	54	10-100
BRIDGEND	Wales	1	1-10
BRISTOL	England	17	10-100
BUCKINGHAMSHIRE	England	440	400-500
CAERPHILLY	Wales	2	1-10
CAMBRIDGESHIRE	England	333	300-400
CARDIFF	Wales	15	10-100

Admin2	Country	Number of sequences	Sequence group
CARMARTHENSHIRE	Wales	6	1-10
CHESHIRE	England	149	100-200
CLACKMANNANSHIRE	Scotland	6	1-10
CLWYD	Wales	83	10-100
CORNWALL	England	42	10-100
CUMBRIA	England	223	200-300
DERBYSHIRE	England	153	100-200
DEVON	England	131	100-200
DORSET	England	254	200-300
DOWN	Northern Ireland	338	300-400
DUMFRIES AND GALLOWAY	Scotland	59	10-100
DUNDEE	Scotland	313	300-400
DURHAM	England	302	300-400
EAST AYRSHIRE	Scotland	45	10-100
EAST DUNBARTONSHIRE	Scotland	19	10-100
EAST LOTHIAN	Scotland	20	10-100
EAST RENFREWSHIRE	Scotland	18	10-100
EAST RIDING OF YORKSHIRE	England	108	100-200
EDINBURGH	Scotland	149	100-200
ESSEX	England	1306	1000-2000
FALKIRK	Scotland	47	10-100
FERMANAGH	Northern Ireland	2	1-10
FIFE	Scotland	34	10-100
GLASGOW	Scotland	459	400-500
GLOUCESTERSHIRE	England	1042	1000-2000
GREATER LONDON	England	1000	1000-2000
GREATER MANCHESTER	England	713	700-1000
GWYNEDD	Wales	3	1-10
HAMPSHIRE	England	82	10-100
HEREFORDSHIRE	England	65	10-100
HERTFORDSHIRE	England	684	600-700
HIGHLAND	Scotland	21	10-100
INVERCLYDE	Scotland	9	1-10
ISLE OF WIGHT	England	4	1-10
KENT	England	110	100-200
LANCASHIRE	England	529	500-600
LEICESTERSHIRE	England	1810	1000-2000
LINCOLNSHIRE	England	93	10-100
LONDONDERRY	Northern Ireland	40	10-100
MERSEYSIDE	England	236	200-300
MERTHYR TYDFIL	Wales	2	1-10
MIDLOTHIAN	Scotland	46	10-100
MONMOUTHSHIRE	Wales	4	1-10
MORAY	Scotland	11	10-100
NEATH PORT TALBOT	Wales	3	1-10
NORFOLK	England	25	10-100
NORTH AYRSHIRE	Scotland	7	1-10
NORTH LANARKSHIRE	Scotland	170	100-200
NORTH YORKSHIRE	England	332	300-400
NORTHAMPTONSHIRE	England	128	100-200
NORTHUMBERLAND	England	165	100-200
NOTTINGHAMSHIRE	England	233	200-300
ORKNEY ISLANDS	Scotland	1	1-10
OXFORDSHIRE	England	54	10-100
PEMBROKESHIRE	Wales	2	1-10
PERTHSHIRE AND KINROSS	Scotland	247	200-300
POWYS	Wales	3	1-10
RENFREWSHIRE	Scotland	79	10-100
RHONDDA, CYNON, TAFF	Wales	7	1-10

Admin2	Country	Number of sequences	Sequence group
RUTLAND	England	5	1-10
SCOTTISH BORDERS	Scotland	8	1-10
SHETLAND ISLANDS	Scotland	6	1-10
SHROPSHIRE	England	46	10-100
SOMERSET	England	818	700-1000
SOUTH AYRSHIRE	Scotland	9	1-10
SOUTH LANARKSHIRE	Scotland	38	10-100
SOUTH YORKSHIRE	England	699	600-700
STAFFORDSHIRE	England	82	10-100
STIRLING	Scotland	7	1-10
SUFFOLK	England	362	300-400
SURREY	England	77	10-100
SUSSEX	England	159	100-200
SWANSEA	Wales	3	1-10
TORFAEN	Wales	1	1-10
TYNE AND WEAR	England	397	300-400
TYRONE	Northern Ireland	23	10-100
VALE OF GLAMORGAN	Wales	4	1-10
WARWICKSHIRE	England	32	10-100
WEST DUNBARTONSHIRE	Scotland	10	10-100
WEST LOTHIAN	Scotland	44	10-100
WEST MIDLANDS	England	264	200-300
WEST YORKSHIRE	England	1053	1000-2000
WILTSHIRE	England	630	600-700
WORCESTERSHIRE	England	22	10-100