UK lineages summary report

This report gives summaries of UK specific lineages for week 2020-05-22. There are time lags due to batching, curation and analysis, the most recently sampled sequence is 2020-05-17. The analysis (eg time since last sample) is therefore undertaken from this date. 16506 sequences in the UK have been included in this analysis. 5142 lineages have been recorded, 4111 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 5185 and the maximum is 8310

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

4798 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 210 that remain: 135 are pending extinction, ie last seen three weeks ago. 32 lineages have gone quiet, ie haven't been seen this week. 21 lineages have reactivated. 22 lineages have been continuously circulating.

The following table contains information about lineages and the number of sequences in each country in the UK for each lineage, in reverse size order.

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.

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 name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK5	819 (83.32%)	109 (11.09%)	52 (5.29%)	3 (0.31%)	Mar-03, May-16	983	B.1.1.1	1
UK225	494 (71.91%)	82 (11.94%)	101 (14.7%)	10 (1.46%)	Feb-13, May-15	687	B.2.2, B.2.6, B.2	2
UK7	239 (63.06%)	64 (16.89%)	76 (20.05%)	0 (0%)	Mar-09, May-13	379	B.1.p11	4
UK61	14 (4.12%)	326 (95.88%)	0 (0%)	0 (0%)	Mar-10, Apr-29	340	B.3	18
UK1	228 (79.44%)	42 (14.63%)	8 (2.79%)	9 (3.14%)	Feb-03, May-08	287	B.1	9
UK36	56 (25.45%)	1 (0.45%)	162 (73.64%)	1 (0.45%)	Mar-18, May-04	220	B.1	13

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK9	189 (99.47%)	1 (0.53%)	0 (0%)	0 (0%)	Mar-09, May-07	190	B.1.13	10
UK106	121 (65.05%)	65 (34.95%)	0 (0%)	0 (0%)	Mar-09, May-10	186	B.1.44, B.1	7
UK4	160 (88.89%)	17 (9.44%)	2 (1.11%)	1 (0.56%)	Feb-28, May-01	180	B	16
UK52	6 (3.7%)	0 (0%)	156 (96.3%)	0 (0%)	Mar-01, May-08	162	B.1, B.1.p73	9
UK73	127 (81.41%)	6 (3.85%)	23 (14.74%)	0 (0%)	Mar-10, May-02	156	B.1.p11	15
UK140	53 (38.13%)	86 (61.87%)	0 (0%)	0 (0%)	Mar-23, Apr-28	139	B.1.1	19
UK158	18 (13.14%)	119 (86.86%)	0 (0%)	0 (0%)	Mar-20, Apr-29	137	B.1.1.2, B.1.1	18
UK42	9 (7.63%)	108 (91.53%)	1 (0.85%)	0 (0%)	Mar-07, Apr-27	118	B.1, B.1.35	20
UK74	23 (21.5%)	84 (78.5%)	0 (0%)	0 (0%)	Mar-12, Apr-28	107	B.1	19
UK6	98 (95.15%)	0 (0%)	5 (4.85%)	0 (0%)	Mar-06, May-06	103	B.1	11
UK18	98 (96.08%)	3 (2.94%)	0 (0%)	1 (0.98%)	Mar-07, Apr-28	102	B.1.1.7	19
UK5710	98 (98.0%)	1 (1.0%)	1 (1.0%)	0 (0%)	Mar-20, May-04	100	B.1.p11	13
UK40	6 (6.12%)	2 (2.04%)	90 (91.84%)	0 (0%)	Mar-13, Apr-28	98	B.16, B	19
UK63	91 (96.81%)	2 (2.13%)	1 (1.06%)	0 (0%)	Mar-18, May-15	94	B.1.1	2
UK11	81 (92.05%)	3 (3.41%)	4 (4.55%)	0 (0%)	Mar-01, Apr-19	88	B.1	28
UK339	60 (80.0%)	13 (17.33%)	1 (1.33%)	1 (1.33%)	Feb-23, Apr-16	75	B.3	31
UK77	70 (94.59%)	4 (5.41%)	0 (0%)	0 (0%)	Mar-11, May-13	74	B.2.4, B.2	4
UK72	16 (21.62%)	0 (0%)	7 (9.46%)	51 (68.92%)	Mar-11, May-04	74	B.10	13

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK35	14 (20.29%)	28 (40.58%)	24 (34.78%)	3 (4.35%)	Mar-15, May-01	69	B.1.5, B.1.5.6	16
UK107	68 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-15, Apr-21	68	B.2.1, B.2.5, B.2	26
UK175	14 (23.33%)	0 (0%)	46 (76.67%)	0 (0%)	Mar-17, May-04	60	B.1, B	13
UK274	57 (95.0%)	2 (3.33%)	1 (1.67%)	0 (0%)	Mar-06, May-11	60	B.3, B	6
UK37	57 (96.61%)	1 (1.69%)	1 (1.69%)	0 (0%)	Mar-17, May-03	59	B.1.30, B.1	14
UK89	58 (98.31%)	1 (1.69%)	0 (0%)	0 (0%)	Mar-11, May-17	59	B.1.1.9	0
UK66	43 (74.14%)	0 (0%)	14 (24.14%)	1 (1.72%)	Mar-18, Apr-28	58	B.1.1.8	19
UK31	57 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-21, May-08	57	B.1	9
UK194	56 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, Apr-20	56	B.1.1	27
UK39	0 (0%)	0 (0%)	56 (100.0%)	0 (0%)	Mar-12, Apr-27	56	A.2	20
UK62	51 (92.73%)	1 (1.82%)	3 (5.45%)	0 (0%)	Mar-12, Apr-23	55	B.3	24
UK5711	2 (3.64%)	53 (96.36%)	0 (0%)	0 (0%)	Mar-27, Apr-29	55	B.1.p11	18
UK343	54 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-28, Apr-21	54	B.1	26
UK26	53 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, May-11	53	B.1.1.3	6
UK476	52 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, May-15	52	B.1.1	2
UK12	34 (65.38%)	0 (0%)	18 (34.62%)	0 (0%)	Mar-12, May-13	52	B.1.p11	4
UK115	47 (97.92%)	1 (2.08%)	0 (0%)	0 (0%)	Mar-15, Apr-14	48	B.2.1	33
UK94	47 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-12, Apr-19	47	B.2.1, B.2	28
UK159	46 (97.87%)	1 (2.13%)	0 (0%)	0 (0%)	Mar-12, May-15	47	B.1.1	2

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK53	24 (52.17%)	0 (0%)	22 (47.83%)	0 (0%)	Mar-26, May-08	46	B.1.1.4	9
UK51	40 (88.89%)	0 (0%)	4 (8.89%)	1 (2.22%)	Mar-21, May-12	45	B.1.36	5
UK3	44 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-24, May-10	44	B.1	7
UK238	44 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, May-03	44	B.1.1	14
UK177	44 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-27, May-02	44	B.1.1	15
UK5712	42 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-12, Apr-20	42	B.1.p11	27
UK204	42 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-07, May-05	42	B.1.1	12
UK200	40 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-08, May-06	40	B.1.p11	11
UK112	39 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-15, Apr-20	39	B.1.1, B.1.1.p11	27
UK192	38 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, May-01	38	B.1.1	16
UK8	34 (89.47%)	2 (5.26%)	2 (5.26%)	0 (0%)	Mar-03, May-01	38	B	16
UK1323	0 (0%)	0 (0%)	37 (97.37%)	1 (2.63%)	Mar-17, May-01	38	B	16
UK57	37 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-28	37	B.1.1	19
UK131	33 (89.19%)	4 (10.81%)	0 (0%)	0 (0%)	Mar-11, Apr-14	37	B.15	33
UK565	31 (83.78%)	2 (5.41%)	3 (8.11%)	1 (2.7%)	Mar-11, Apr-17	37	B.1.1	30
UK199	36 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-08, May-06	36	B.1.5.5	11
UK86	16 (44.44%)	20 (55.56%)	0 (0%)	0 (0%)	Mar-05, Apr-28	36	B.1	19
UK41	25 (73.53%)	9 (26.47%)	0 (0%)	0 (0%)	Mar-01, Apr-27	34	B.1	20

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK64	25 (73.53%)	9 (26.47%)	0 (0%)	0 (0%)	Mar-12, Apr-28	34	B.1	19
UK138	34 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-26	34	B.2.1	21
UK187	0 (0%)	24 (75.0%)	4 (12.5%)	4 (12.5%)	Mar-26, Apr-27	32	B.1	20
UK119	23 (74.19%)	7 (22.58%)	1 (3.23%)	0 (0%)	Mar-11, Apr-16	31	B.2.5	31
UK23	31 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-12, May-01	31	B.9, B	16
UK283	30 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-25, May-15	30	B.1.1	2
UK10	29 (96.67%)	0 (0%)	1 (3.33%)	0 (0%)	Mar-11, May-13	30	B.1.1	4
UK13	29 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-13, May-13	29	B.1.1.p15, B.1.1	4
UK241	29 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, Apr-16	29	B.1.5.3	31
UK167	28 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, Apr-29	28	B.1, B.1.66	18
UK14	7 (25.0%)	0 (0%)	21 (75.0%)	0 (0%)	Mar-04, Apr-27	28	B	20
UK95	27 (96.43%)	0 (0%)	1 (3.57%)	0 (0%)	Mar-10, May-03	28	B.2.1	14
UK116	28 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-25, Apr-01	28	B.2.1	46
UK346	27 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-16, Apr-05	27	B.1, B.1.72	42
UK147	25 (92.59%)	2 (7.41%)	0 (0%)	0 (0%)	Mar-08, May-14	27	B.1.1	3
UK179	7 (25.93%)	20 (74.07%)	0 (0%)	0 (0%)	Mar-17, Apr-27	27	B.1.1.p11	20
UK183	27 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, Apr-23	27	B.1.1	24
UK193	18 (66.67%)	9 (33.33%)	0 (0%)	0 (0%)	Apr-01, May-01	27	B.1.1	16
UK88	0 (0%)	1 (3.7%)	26 (96.3%)	0 (0%)	Mar-22, Apr-29	27	B.1	18
UK43	1 (3.7%)	0 (0%)	26 (96.3%)	0 (0%)	Mar-12, Apr-26	27	A.5	21

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK79	26 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, May-02	26	B.1	15
UK149	26 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-28	26	B.1.1	19
UK33	26 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-21, May-15	26	B.1.1	2
UK173	26 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-16, Apr-26	26	B	21
UK144	26 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-05, Apr-07	26	B.2.1	40
UK296	0 (0%)	0 (0%)	25 (100.0%)	0 (0%)	Apr-08, May-13	25	B.1.5	4
UK300	25 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-28, Apr-19	25	B.1.1	28
UK81	24 (96.0%)	0 (0%)	1 (4.0%)	0 (0%)	Mar-19, Apr-27	25	B.1.1	20
UK214	24 (96.0%)	0 (0%)	1 (4.0%)	0 (0%)	Mar-30, May-04	25	B.1.1	13
UK128	25 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-03, May-16	25	B.1.1	1
UK46	23 (95.83%)	1 (4.17%)	0 (0%)	0 (0%)	Mar-02, May-08	24	B.2.1	9
UK47	19 (79.17%)	5 (20.83%)	0 (0%)	0 (0%)	Mar-01, Apr-19	24	B.1.1	28
UK45	13 (54.17%)	10 (41.67%)	1 (4.17%)	0 (0%)	Mar-01, Apr-20	24	B.1.1	27
UK56	23 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, May-06	23	B.1.1	11
UK101	22 (95.65%)	0 (0%)	1 (4.35%)	0 (0%)	Mar-21, Apr-27	23	B.1.5	20
UK277	11 (50.0%)	11 (50.0%)	0 (0%)	0 (0%)	Mar-28, May-04	22	B.1.1	13
UK82	1 (4.55%)	0 (0%)	21 (95.45%)	0 (0%)	Mar-25, May-03	22	B.1.1.p11, B.1.1	14
UK114	22 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-16, Apr-21	22	B.1.1	26
UK156	0 (0%)	8 (36.36%)	14 (63.64%)	0 (0%)	Mar-18, Apr-18	22	B.1.71	29

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK21	0 (0%)	0 (0%)	22 (100.0%)	0 (0%)	Mar-18, May-08	22	B.1.40	9
UK384	21 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-14, Apr-02	21	B.2.1	45
UK235	21 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-21, Apr-16	21	B.1.1	31
UK113	21 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, May-17	21	B.1.1	0
UK103	21 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, May-11	21	B.1.1	6
UK444	21 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-17	21	B.1.1	30
UK473	0 (0%)	21 (100.0%)	0 (0%)	0 (0%)	Apr-02, Apr-24	21	B.1.1	23
UK87	0 (0%)	0 (0%)	20 (100.0%)	0 (0%)	Mar-13, Apr-20	20	B.1.70	27
UK304	0 (0%)	0 (0%)	20 (100.0%)	0 (0%)	Apr-16, May-12	20	B.1.1.14	5
UK233	20 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-08, May-06	20	B.1.1	11
UK75	20 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-17, Apr-26	20	B.1, B.1.34	21
UK291	19 (95.0%)	1 (5.0%)	0 (0%)	0 (0%)	Mar-13, Apr-05	20	B.2.1	42
UK134	15 (78.95%)	0 (0%)	4 (21.05%)	0 (0%)	Mar-04, Apr-07	19	B.1	40
UK279	19 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-26, Apr-23	19	B.1.1	24
UK150	0 (0%)	0 (0%)	19 (100.0%)	0 (0%)	Mar-21, Apr-22	19	B.1.1.p12	25
UK298	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-28	19	B.1.1	19
UK307	19 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-28, May-04	19	B.1.1	13
UK514	19 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-13	19	B.1.1	34
UK109	16 (84.21%)	1 (5.26%)	2 (10.53%)	0 (0%)	Mar-21, Apr-26	19	B.1.5	21
UK135	19 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-01, May-14	19	B.1.p11	3

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK143	18 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-14, Apr-16	18	B.2.1	31
UK24	18 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, Apr-23	18	B.1.1	24
UK269	14 (82.35%)	3 (17.65%)	0 (0%)	0 (0%)	Mar-31, May-03	17	B.1.1	14
UK403	17 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-15	17	B.1.1	32
UK117	17 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-28, Apr-04	17	B.2.1	43
UK461	0 (0%)	0 (0%)	17 (100.0%)	0 (0%)	Apr-18, May-17	17	B.1.5	0
UK604	12 (70.59%)	2 (11.76%)	3 (17.65%)	0 (0%)	Mar-06, Mar-17	17	B.1.1	61
UK146	16 (94.12%)	0 (0%)	1 (5.88%)	0 (0%)	Mar-13, Apr-25	17	B.1.1	22
UK30	17 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-15, May-13	17	B.1.1	4
UK472	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Apr-05, Apr-27	16	B.1.1.p11, B.1.1	20
UK104	8 (50.0%)	6 (37.5%)	2 (12.5%)	0 (0%)	Mar-23, Apr-28	16	B.1.1	19
UK249	15 (93.75%)	1 (6.25%)	0 (0%)	0 (0%)	Mar-31, Apr-25	16	B.1.1	22
UK502	0 (0%)	0 (0%)	16 (100.0%)	0 (0%)	Mar-06, Mar-20	16	B.1.69	58
UK174	16 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, May-11	16	B.1.5	6
UK28	16 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-13, May-01	16	B.1.1.10	16
UK163	10 (66.67%)	1 (6.67%)	4 (26.67%)	0 (0%)	Mar-27, Apr-27	15	B.1.1	20
UK38	10 (66.67%)	0 (0%)	5 (33.33%)	0 (0%)	Mar-04, Apr-20	15	B.2.1	27
UK888	15 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-05, Apr-09	15	B.1.1	38
UK419	15 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-16	15	B.1.1	31
UK397	13 (86.67%)	0 (0%)	2 (13.33%)	0 (0%)	Mar-28, Apr-14	15	B.1.1.13	33
UK236	14 (93.33%)	1 (6.67%)	0 (0%)	0 (0%)	Mar-27, Apr-22	15	B.1.1	25

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK276	15 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, May-13	15	B.1.1	4
UK268	11 (73.33%)	4 (26.67%)	0 (0%)	0 (0%)	Mar-23, May-01	15	B.1.1	16
UK254	14 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-14	14	B.1.1	33
UK295	1 (7.14%)	1 (7.14%)	3 (21.43%)	9 (64.29%)	Mar-11, Apr-02	14	B	45
UK392	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Mar-25, Apr-12	14	B.1.67	35
UK234	14 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-11, May-06	14	B.1.1	11
UK376	14 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-04, Apr-25	14	B.1.1	22
UK322	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-26	14	B.1	21
UK153	14 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-13, Apr-14	14	B.2	33
UK633	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Apr-06, Apr-28	14	B.1.1.p16, B.1.1.16	19
UK395	10 (71.43%)	4 (28.57%)	0 (0%)	0 (0%)	Mar-20, Apr-07	14	B.1.1.10, B.1.1	40
UK326	13 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, May-12	13	B.1.1.10	5
UK501	13 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-03, Apr-22	13	B.1, B	25
UK303	4 (30.77%)	9 (69.23%)	0 (0%)	0 (0%)	Mar-23, Apr-14	13	B.1.1	33
UK370	0 (0%)	0 (0%)	13 (100.0%)	0 (0%)	Apr-08, Apr-27	13	B.1.1.10	20
UK34	13 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-15, Apr-02	13	B.4	45
UK203	7 (53.85%)	6 (46.15%)	0 (0%)	0 (0%)	Mar-31, Apr-28	13	B.1.1	19
UK378	13 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-15, Mar-05	13	B.1.1	73
UK58	4 (33.33%)	0 (0%)	8 (66.67%)	0 (0%)	Mar-12, Apr-24	12	B.1	23
UK308	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-09, May-11	12	B.1.1	6
UK396	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-14	12	B.1.1	33

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK266	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-06, Apr-30	12	B.1	17
UK499	0 (0%)	0 (0%)	12 (100.0%)	0 (0%)	Apr-24, May-15	12	B.1.5	2
UK374	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-01, Apr-20	12	B.1.1	27
UK195	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, Apr-27	12	B.1.1	20
UK694	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-06, Mar-14	12	B	64
UK603	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-09	12	B.1.1	38
UK126	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, May-03	12	B.1.1	14
UK253	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-03, Apr-28	12	B.1.1	19
UK4507	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Apr-14, Apr-28	12	B.1	19
UK347	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-13, Apr-02	12	B.1	45
UK760	1 (8.33%)	0 (0%)	0 (0%)	11 (91.67%)	Mar-21, Apr-22	12	B.1.1	25
UK141	12 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, Apr-24	12	B.1.1	23
UK160	0 (0%)	0 (0%)	12 (100.0%)	0 (0%)	Apr-01, May-02	12	B.1.1	15
UK261	0 (0%)	0 (0%)	12 (100.0%)	0 (0%)	Mar-15, Apr-08	12	A.3	39
UK278	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-10, May-03	11	B.1.1	14
UK287	8 (72.73%)	2 (18.18%)	1 (9.09%)	0 (0%)	Mar-26, Apr-18	11	B.1	29
UK329	10 (90.91%)	0 (0%)	1 (9.09%)	0 (0%)	Mar-20, May-13	11	B.1.1	4
UK354	10 (90.91%)	0 (0%)	0 (0%)	1 (9.09%)	Mar-18, Apr-11	11	B.1.1	36
UK1018	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-20, Apr-21	11	B.1.1	26
UK479	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-14	11	B.1.1	33
UK530	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-13	11	B.1.1	34

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK264	0 (0%)	0 (0%)	11 (100.0%)	0 (0%)	Mar-29, Apr-22	11	B.1.p11	25
UK428	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-06	11	B.2.1, B.2	41
UK168	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-16, Apr-16	11	B.2.1	31
UK180	10 (90.91%)	1 (9.09%)	0 (0%)	0 (0%)	Mar-30, Apr-29	11	B.1.1	18
UK190	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-01, Mar-30	11	B.1	48
UK71	10 (90.91%)	1 (9.09%)	0 (0%)	0 (0%)	Mar-08, Apr-17	11	B	30
UK240	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-16, Apr-11	11	B.2	36
UK504	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-13	11	B.1.1	34
UK759	11 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-28, Apr-04	11	B.1.1	43
UK230	9 (81.82%)	2 (18.18%)	0 (0%)	0 (0%)	Mar-29, Apr-16	11	B.1	31
UK436	0 (0%)	0 (0%)	11 (100.0%)	0 (0%)	Apr-13, May-14	11	B.1.5	3
UK125	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-27, May-04	10	B.1.1	13
UK22	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-02, Apr-21	10	B	26
UK171	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-13, Apr-13	10	B.2.1, B.2	34
UK186	9 (90.0%)	1 (10.0%)	0 (0%)	0 (0%)	Mar-27, May-05	10	B	12
UK788	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-28, Mar-05	10	B.4	73
UK122	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-16, Apr-28	10	B.1	19
UK220	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-27, Apr-22	10	B.1.1	25
UK5700	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-27	10	B.1	20
UK687	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-28, Mar-08	10	B.2.1, B.2	70
UK132	8 (80.0%)	1 (10.0%)	1 (10.0%)	0 (0%)	Mar-27, Apr-30	10	B.1	17
UK83	8 (80.0%)	1 (10.0%)	1 (10.0%)	0 (0%)	Feb-29, Apr-08	10	B.1.1	39

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK137	2 (20.0%)	0 (0%)	8 (80.0%)	0 (0%)	Mar-10, Apr-13	10	B.1.1	34
UK414	0 (0%)	0 (0%)	10 (100.0%)	0 (0%)	Apr-05, Apr-22	10	B.1.5	25
UK474	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-01, Apr-16	10	B.1.1	31
UK54	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, Apr-30	10	B.1.1.10	17
UK161	5 (50.0%)	5 (50.0%)	0 (0%)	0 (0%)	Mar-10, Apr-27	10	B.1.1	20
UK242	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-26, Apr-20	10	B.1.5	27
UK558	0 (0%)	0 (0%)	9 (100.0%)	0 (0%)	Apr-24, May-15	9	B.1.5	2
UK540	7 (77.78%)	2 (22.22%)	0 (0%)	0 (0%)	Apr-03, Apr-22	9	B.1.1.p15, B.1.1	25
UK434	0 (0%)	0 (0%)	9 (100.0%)	0 (0%)	Apr-20, May-06	9	B.1.5	11
UK55	6 (66.67%)	0 (0%)	3 (33.33%)	0 (0%)	Mar-09, Apr-21	9	B.1.1	26
UK91	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-03, May-05	9	B.1.1	12
UK311	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-11	9	B.1.1	36
UK198	0 (0%)	2 (22.22%)	6 (66.67%)	1 (11.11%)	Mar-18, Apr-15	9	B.1.5, A	32
UK211	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-24, Apr-28	9	B.1.5	19
UK142	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-15, Apr-17	9	B.2.1	30
UK312	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-01, Mar-23	9	B.1.1	55
UK178	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-14, Apr-13	9	B.1.1	34
UK541	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-12	9	B.1.1	35
UK3033	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, Apr-16	9	B.1.1	31
UK148	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-02, May-04	9	B.1.1	13
UK645	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, Apr-08	9	B.2.1	39

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK415	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-19, May-06	9	B.1	11
UK78	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, May-14	9	B.1.5	3
UK251	8 (88.89%)	1 (11.11%)	0 (0%)	0 (0%)	Mar-17, Apr-11	9	B.1.1	36
UK909	9 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-13, Apr-20	9	B.1	27
UK182	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, May-02	8	B.1.1	15
UK123	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-27	8	B.1	20
UK306	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-26, Apr-10	8	B.1.1	37
UK756	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-27, Mar-05	8	B.1.1	73
UK750	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-07, Apr-14	8	B.1	33
UK405	4 (50.0%)	4 (50.0%)	0 (0%)	0 (0%)	Mar-14, Apr-13	8	B.2.1	34
UK69	7 (87.5%)	1 (12.5%)	0 (0%)	0 (0%)	Mar-04, Apr-14	8	B.2.1	33
UK733	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-10, Mar-30	8	B.2.1	48
UK252	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-04, Apr-29	8	B.1.1	18
UK471	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-02, Apr-24	8	B.1.1	23
UK802	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-22	8	B.1	25
UK432	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-09	8	B.3	38
UK1013	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-15, Apr-16	8	B.1.1	31
UK67	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-25, May-13	8	B.1.1	4
UK70	6 (75.0%)	1 (12.5%)	0 (0%)	1 (12.5%)	Mar-06, Apr-16	8	B.2	31
UK324	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, Apr-21	8	B.1.1	26
UK133	2 (25.0%)	0 (0%)	6 (75.0%)	0 (0%)	Mar-22, Apr-25	8	B.1	22

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK1539	0 (0%)	0 (0%)	8 (100.0%)	0 (0%)	May-09, May-15	8	B.1.5	2
UK696	1 (12.5%)	7 (87.5%)	0 (0%)	0 (0%)	Apr-07, Apr-24	8	B.1.5, B.1	23
UK248	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-08, May-05	8	B.1.1	12
UK244	7 (87.5%)	1 (12.5%)	0 (0%)	0 (0%)	Mar-12, Apr-06	8	B.1.1	41
UK335	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-25, Apr-15	8	B.2.1	32
UK90	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, May-06	8	B.1.1	11
UK223	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-10, Apr-06	8	B.2.1	41
UK739	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-01, Mar-08	8	B.4	70
UK351	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-13, May-03	8	B.1.1	14
UK318	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-10	8	B	37
UK65	7 (87.5%)	0 (0%)	1 (12.5%)	0 (0%)	Mar-07, Apr-17	8	B.1.1	30
UK100	1 (12.5%)	0 (0%)	7 (87.5%)	0 (0%)	Mar-22, Apr-28	8	B.1.5	19
UK341	8 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-12	8	B.1	35
UK487	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-08	7	B.1.1	39
UK574	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-11	7	B.1.1	36
UK292	4 (57.14%)	3 (42.86%)	0 (0%)	0 (0%)	Mar-21, Apr-13	7	B.2.1	34
UK451	0 (0%)	6 (85.71%)	1 (14.29%)	0 (0%)	Mar-20, Apr-05	7	B.2.1	42
UK564	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-03, Apr-15	7	B.1.1	32
UK560	0 (0%)	0 (0%)	7 (100.0%)	0 (0%)	Apr-15, Apr-27	7	B.1.5	20
UK806	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-04, Apr-27	7	B.1.1.10	20
UK155	6 (85.71%)	1 (14.29%)	0 (0%)	0 (0%)	Mar-03, Apr-12	7	B.1	35

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK394	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-17	7	B.1.1	30
UK532	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-04, Apr-17	7	B.1.1	30
UK271	1 (14.29%)	0 (0%)	6 (85.71%)	0 (0%)	Apr-02, Apr-26	7	B.1	21
UK181	4 (57.14%)	3 (42.86%)	0 (0%)	0 (0%)	Mar-28, Apr-26	7	B.1.1	21
UK571	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-06, Apr-25	7	B.1.1	22
UK196	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, Apr-16	7	B.2.1	31
UK647	6 (85.71%)	0 (0%)	1 (14.29%)	0 (0%)	Mar-17, Mar-27	7	B.2.1, B.2	51
UK247	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-04, May-15	7	B.1.1	2
UK874	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-06, Apr-24	7	B.1	23
UK330	6 (85.71%)	1 (14.29%)	0 (0%)	0 (0%)	Mar-23, Apr-13	7	B.1.1	34
UK202	6 (85.71%)	0 (0%)	1 (14.29%)	0 (0%)	Mar-10, Apr-30	7	B.1.1	17
UK716	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-08	7	B.1.1	39
UK367	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-25, Apr-27	7	B.1	20
UK358	2 (28.57%)	5 (71.43%)	0 (0%)	0 (0%)	Mar-20, Apr-09	7	B.2.1	38
UK237	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, May-16	7	B.1.1	1
UK323	2 (28.57%)	0 (0%)	5 (71.43%)	0 (0%)	Mar-31, Apr-21	7	B.1	26
UK232	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-04, Mar-30	7	B.1.1	48
UK629	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-13	7	B.1	34
UK317	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-26, Apr-16	7	B.3	31
UK635	4 (57.14%)	3 (42.86%)	0 (0%)	0 (0%)	Apr-05, May-01	7	B.1.1	16
UK441	4 (57.14%)	3 (42.86%)	0 (0%)	0 (0%)	Apr-04, Apr-20	7	B.1.1	27
UK206	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-22, Apr-19	7	B.2.1	28

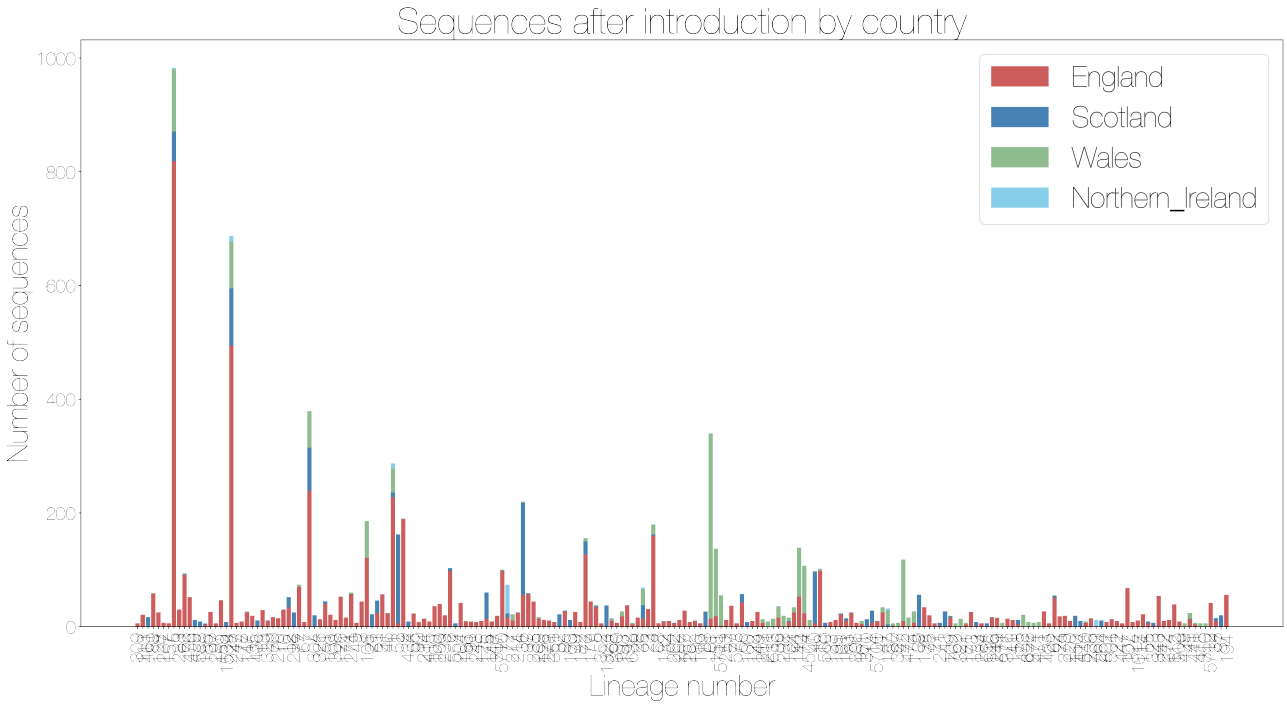
Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK390	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-27, May-01	7	B.1.5	16
UK49	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-19, May-11	7	B.2.1	6
UK510	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-02, Apr-16	7	B.1.1	31
UK371	7 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, Apr-11	7	B.1.1	36
UK573	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-04, Apr-28	6	B.1.1	19
UK572	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-07, Apr-19	6	B.1.1	28
UK350	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-20	6	B.1.1	27
UK27	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-08, Apr-26	6	B.1.1	21
UK2767	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-15, Apr-15	6	B.1.1	32
UK157	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, May-16	6	B.1	1
UK654	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Feb-27, Mar-08	6	B.2.5	70
UK554	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Apr-23, May-05	6	B.1.5	12
UK309	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-05, May-17	6	B.1.1	0
UK439	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-04, Apr-20	6	B.1.1	27
UK799	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-01, Mar-07	6	B.1	71
UK497	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-27, Apr-16	6	A.2	31
UK612	1 (16.67%)	5 (83.33%)	0 (0%)	0 (0%)	Mar-31, Apr-11	6	B.2.1	36
UK491	5 (83.33%)	0 (0%)	1 (16.67%)	0 (0%)	Mar-18, Apr-02	6	B.2.1, B	45
UK520	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-14, Mar-28	6	B.2.1, B.2	50
UK110	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-29	6	B.1	18
UK440	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-28, Apr-13	6	B.1.1.10	34

Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK481	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-14	6	B.1.1	33
UK536	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-09	6	B.1.1	38
UK15	2 (33.33%)	4 (66.67%)	0 (0%)	0 (0%)	Mar-06, Apr-13	6	B.1.1	34
UK570	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-05, Apr-17	6	B.1.1	30
UK680	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-05, Apr-14	6	B.1	33
UK297	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-09, May-15	6	B.1.p11	2
UK213	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-18, Apr-14	6	B.1.1	33
UK185	4 (66.67%)	0 (0%)	1 (16.67%)	1 (16.67%)	Mar-10, May-15	6	B.3	2
UK102	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-10, Apr-16	6	B.1	31
UK555	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Apr-13, Apr-25	6	B.1.5	22
UK512	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-30, Apr-13	6	B.1.1	34
UK284	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-02, Apr-25	6	B.1.1	22
UK447	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-05, Apr-21	6	B.1.1	26
UK931	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Mar-30, Apr-04	6	B.1.1	43
UK762	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-11, Apr-26	6	B.1.1	21
UK659	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-21, Mar-30	6	B	48
UK489	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-07	6	B.2.1	40
UK857	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Mar-29	6	B.2.1	49
UK80	2 (33.33%)	4 (66.67%)	0 (0%)	0 (0%)	Mar-09, Apr-27	6	B.1.1.p15	20
UK263	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-13	6	B.1.p11	34
UK517	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-29, Apr-12	6	B.1.1	35
UK488	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, Apr-15	6	B.1	32
UK255	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-26, Apr-08	6	B.1.1	39

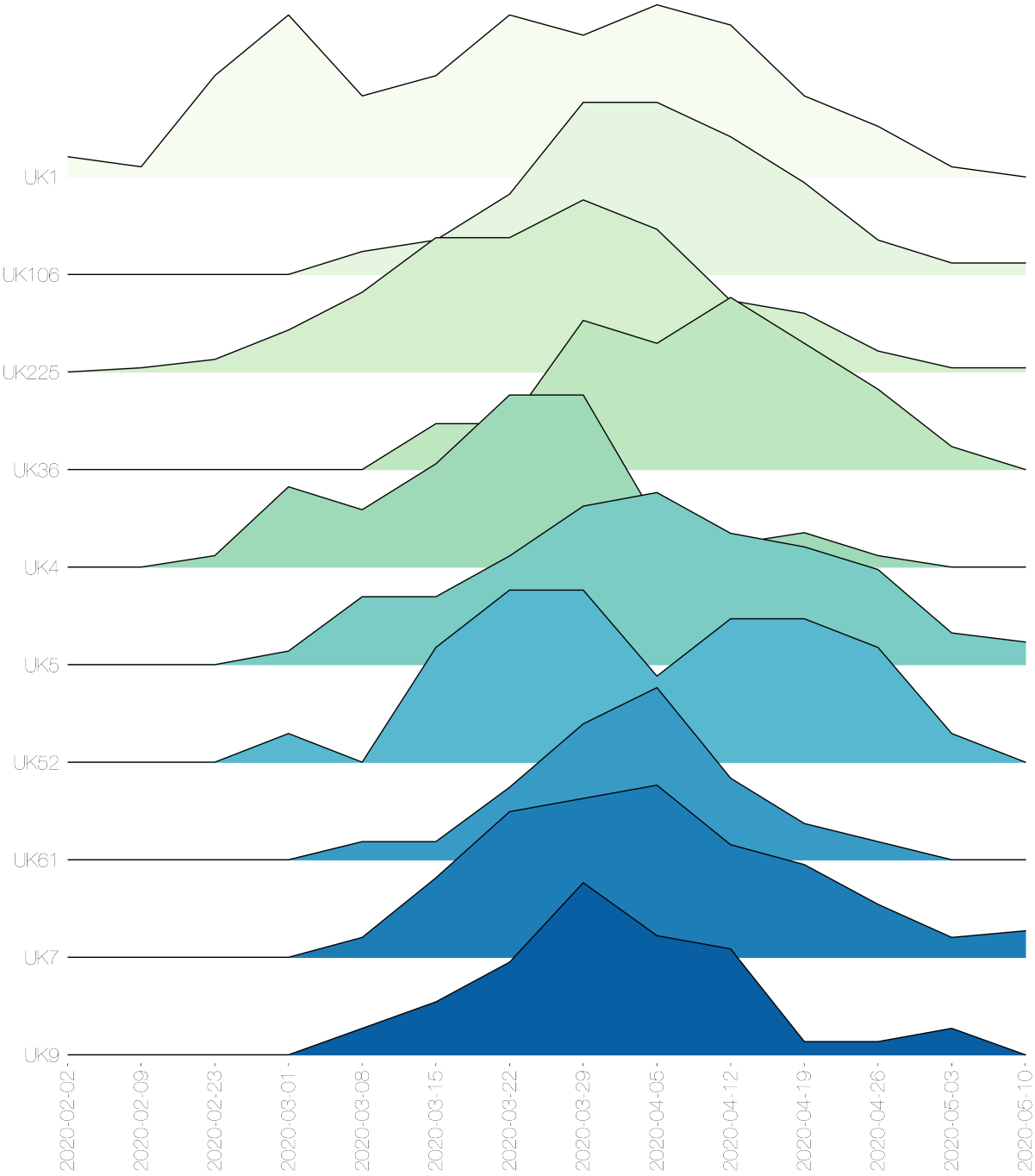
Lineage name	England	Wales	Scotland	Northern Ireland	Date range	Total sequences	Global lineage	Time since last sample (days)
UK801	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-05, Apr-11	6	B.1	36
UK418	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-20	6	B.1.1.10	27
UK4037	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-31, Apr-07	6	B.1.1	40
UK682	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-21, Mar-30	6	B.2.1, B.2	48
UK435	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-03, Apr-23	6	B.1.5	24
UK544	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-24, Apr-06	6	B.2.1	41
UK313	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-23, Apr-14	6	B.1.1	33
UK352	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-11, May-01	6	B.1.1	16
UK68	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-20, Apr-30	6	B.1.1	17
UK542	6 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Apr-01, Apr-14	6	B.1	33

These data is represented in the stacked bar chart below. 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.



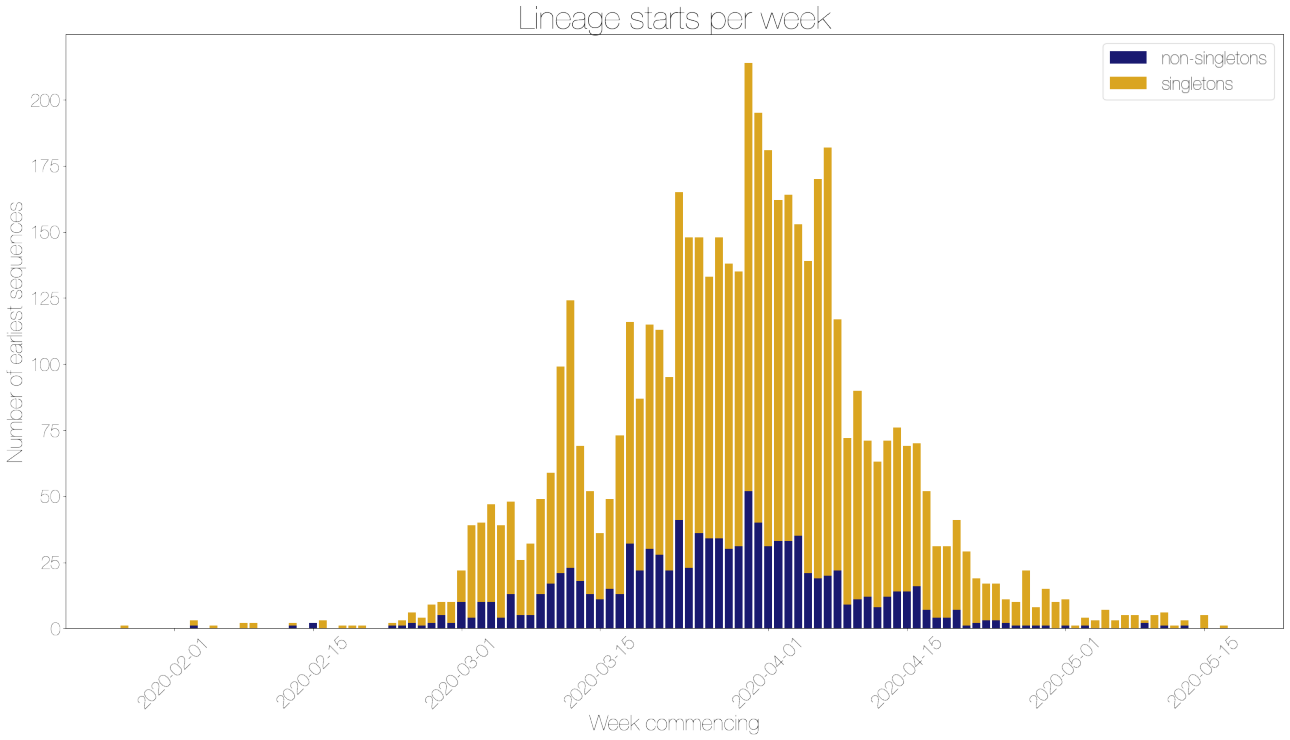
The relative growth and decline of the ten most sampled lineages in terms of number of counties they are present in is shown below. The raw data for the plot is shown below it, with each column representing a lineage, and the number of admin2 regions it is present in in each week.



Week commencing	UK5	UK225	UK7	UK61	UK1	UK36	UK9	UK106	UK4	UK52
2020-02-02	0	0	0	0	2	0	0	0	0	0
2020-02-09	0	1	0	0	1	0	0	0	0	0
2020-02-23	0	3	0	0	10	0	0	0	1	0
2020-03-01	3	10	0	0	16	0	0	0	7	1
2020-03-08	15	19	3	2	8	0	2	2	5	0
2020-03-15	15	32	12	2	10	4	4	3	9	4
2020-03-22	24	32	22	8	16	4	7	7	15	6
2020-03-29	35	41	24	15	14	13	13	15	15	6

Week commencing	UK5	UK225	UK7	UK61	UK1	UK36	UK9	UK106	UK4	UK52
2020-04-05	38	34	26	19	17	11	9	15	4	3
2020-04-12	29	17	17	9	15	15	8	12	2	5
2020-04-19	26	14	14	4	8	11	1	8	3	5
2020-04-26	21	5	8	2	5	7	1	3	1	4
2020-05-03	7	1	3	0	1	2	2	1	0	1
2020-05-10	5	1	4	0	0	0	0	1	0	0

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

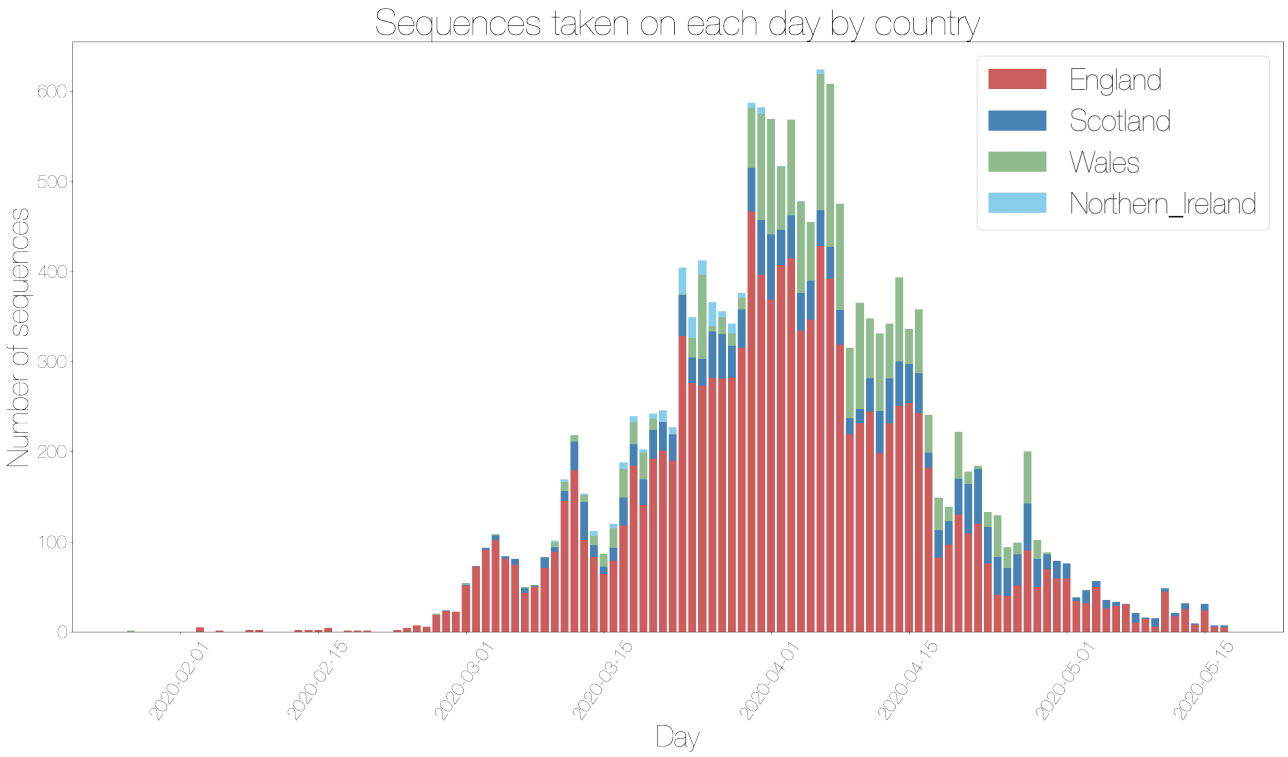


Day	Number of singleton starts	Number of non-singleton starts	Total
2020-01-27	1	0	1
2020-02-03	2	1	3
2020-02-05	1	0	1
2020-02-08	2	0	2
2020-02-09	2	0	2
2020-02-13	1	1	2
2020-02-15	0	2	2
2020-02-16	3	0	3
2020-02-18	1	0	1
2020-02-19	1	0	1
2020-02-20	1	0	1
2020-02-23	1	1	2
2020-02-24	2	1	3
2020-02-25	4	2	6
2020-02-26	3	1	4
2020-02-27	7	2	9
2020-02-28	5	5	10

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-02-29	8	2	10
2020-03-01	12	10	22
2020-03-02	35	4	39
2020-03-03	30	10	40
2020-03-04	37	10	47
2020-03-05	35	4	39
2020-03-06	35	13	48
2020-03-07	21	5	26
2020-03-08	27	5	32
2020-03-09	36	13	49
2020-03-10	42	17	59
2020-03-11	78	21	99
2020-03-12	101	23	124
2020-03-13	51	18	69
2020-03-14	39	13	52
2020-03-15	25	11	36
2020-03-16	34	15	49
2020-03-17	60	13	73
2020-03-18	84	32	116
2020-03-19	65	22	87
2020-03-20	85	30	115
2020-03-21	85	28	113
2020-03-22	73	22	95
2020-03-23	124	41	165
2020-03-24	125	23	148
2020-03-25	112	36	148
2020-03-26	99	34	133
2020-03-27	114	34	148
2020-03-28	108	30	138
2020-03-29	104	31	135
2020-03-30	162	52	214
2020-03-31	155	40	195
2020-04-01	150	31	181
2020-04-02	129	33	162
2020-04-03	131	33	164
2020-04-04	118	35	153
2020-04-05	118	21	139
2020-04-06	151	19	170
2020-04-07	162	20	182
2020-04-08	95	22	117
2020-04-09	63	9	72
2020-04-10	79	11	90
2020-04-11	59	12	71
2020-04-12	55	8	63
2020-04-13	59	12	71
2020-04-14	62	14	76
2020-04-15	55	14	69
2020-04-16	54	16	70
2020-04-17	45	7	52

Day	Number of singleton starts	Number of non-singleton starts	Total
2020-04-18	27	4	31
2020-04-19	27	4	31
2020-04-20	34	7	41
2020-04-21	28	1	29
2020-04-22	17	2	19
2020-04-23	14	3	17
2020-04-24	14	3	17
2020-04-25	9	2	11
2020-04-26	9	1	10
2020-04-27	21	1	22
2020-04-28	7	1	8
2020-04-29	14	1	15
2020-04-30	10	0	10
2020-05-01	10	1	11
2020-05-02	1	0	1
2020-05-03	3	1	4
2020-05-04	3	0	3
2020-05-05	7	0	7
2020-05-06	3	0	3
2020-05-07	5	0	5
2020-05-08	5	0	5
2020-05-09	1	2	3
2020-05-10	5	0	5
2020-05-11	5	1	6
2020-05-12	1	0	1
2020-05-13	2	1	3
2020-05-15	5	0	5
2020-05-17	1	0	1

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.

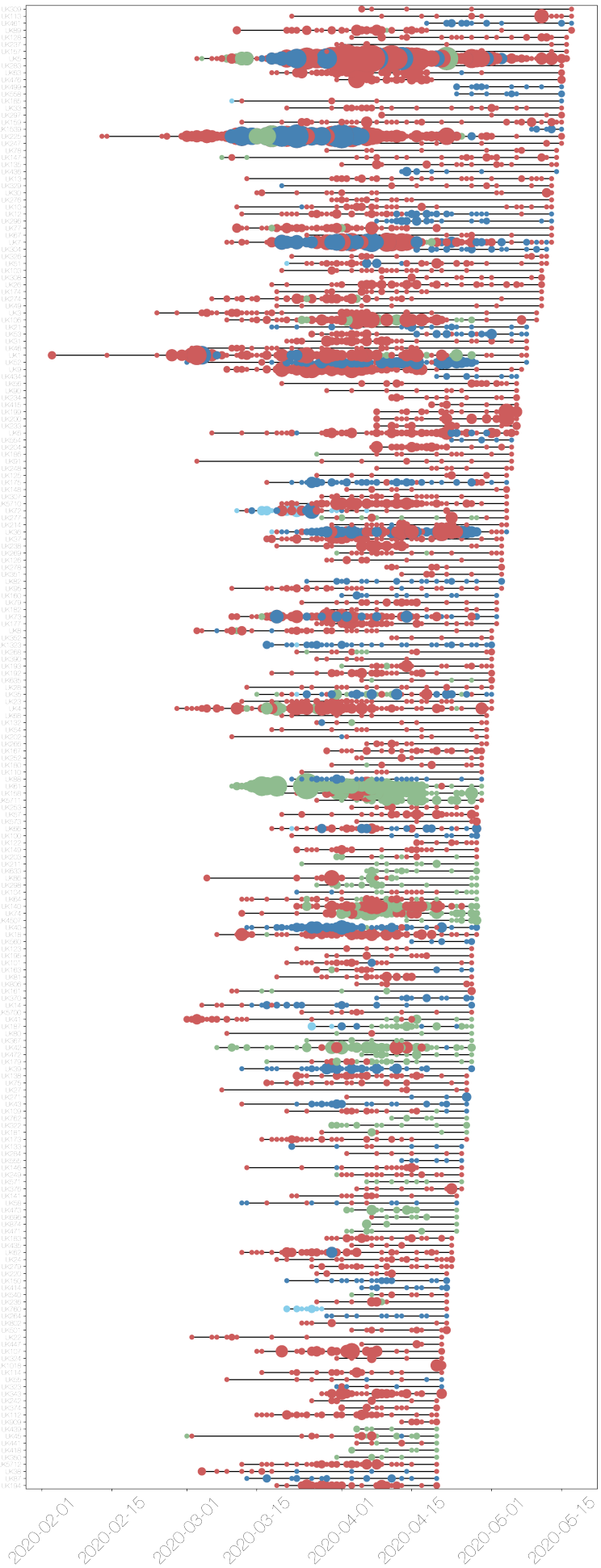


Day	England	Scotland	Wales	Northern Ireland
2020-01-27	0	0	1	0
2020-02-03	5	0	0	0
2020-02-05	1	0	0	0
2020-02-08	2	0	0	0
2020-02-09	2	0	0	0
2020-02-13	2	0	0	0
2020-02-14	2	0	0	0
2020-02-15	2	0	0	0
2020-02-16	4	0	0	0
2020-02-18	1	0	0	0
2020-02-19	1	0	0	0
2020-02-20	1	0	0	0
2020-02-23	2	0	0	0
2020-02-24	4	0	0	0
2020-02-25	7	0	0	0
2020-02-26	6	0	0	0
2020-02-27	19	0	1	0
2020-02-28	23	1	0	0
2020-02-29	22	0	0	0
2020-03-01	51	1	2	0
2020-03-02	72	1	0	0
2020-03-03	91	2	0	0
2020-03-04	102	5	1	0
2020-03-05	81	3	0	0
2020-03-06	74	7	0	0
2020-03-07	43	5	2	0
2020-03-08	50	1	1	0

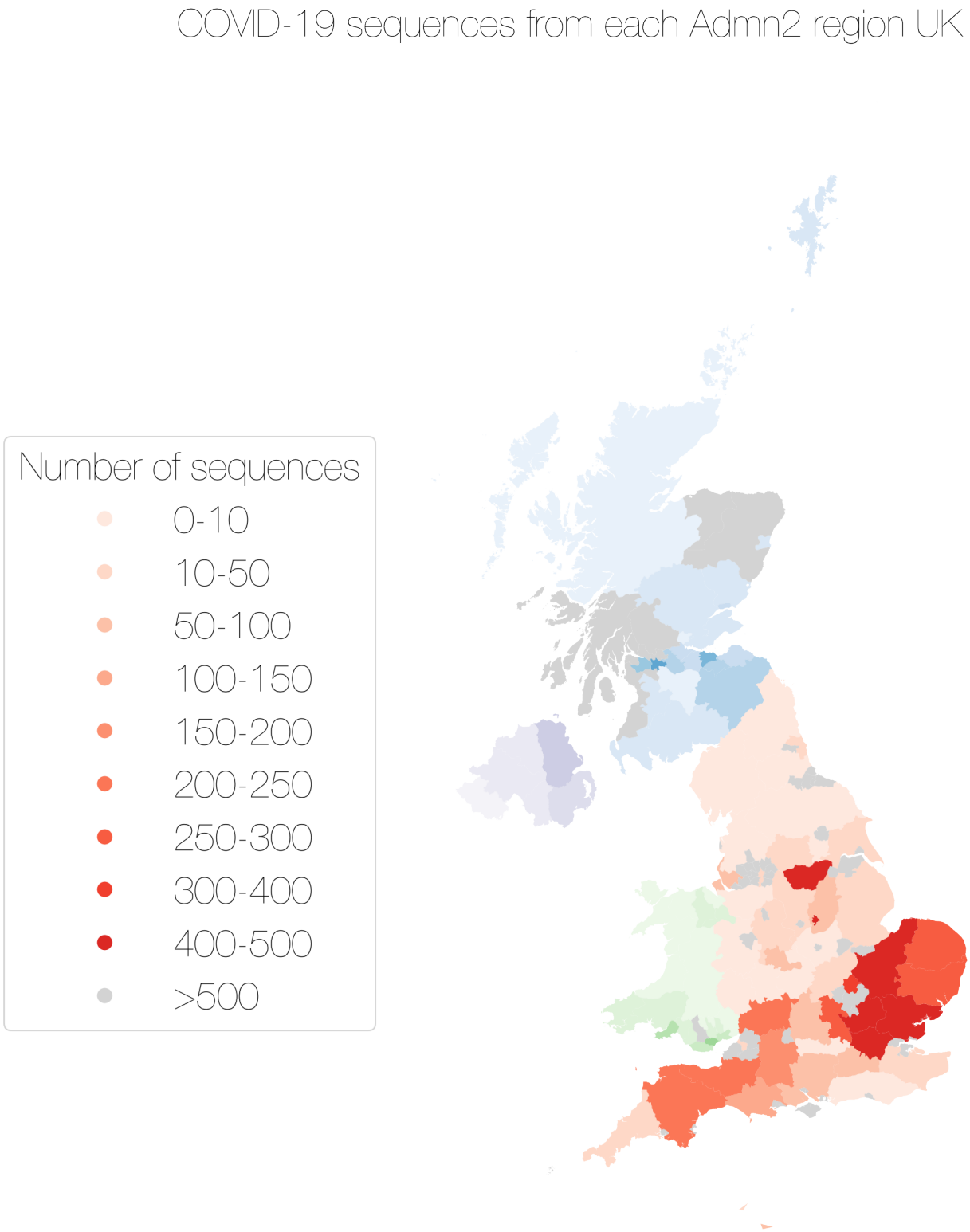
Day	England	Scotland	Wales	Northern Ireland
2020-03-09	71	11	1	0
2020-03-10	89	5	5	2
2020-03-11	145	11	10	3
2020-03-12	179	32	7	0
2020-03-13	102	42	8	1
2020-03-14	83	13	10	6
2020-03-15	64	8	15	0
2020-03-16	79	14	22	5
2020-03-17	118	31	32	7
2020-03-18	184	24	25	6
2020-03-19	141	28	30	3
2020-03-20	192	32	12	6
2020-03-21	201	32	0	13
2020-03-22	190	29	0	8
2020-03-23	328	46	1	29
2020-03-24	276	28	22	23
2020-03-25	273	30	93	16
2020-03-26	282	51	6	27
2020-03-27	281	49	19	7
2020-03-28	282	35	14	11
2020-03-29	315	43	13	5
2020-03-30	466	49	66	6
2020-03-31	396	61	118	7
2020-04-01	369	72	128	0
2020-04-02	407	39	70	1
2020-04-03	414	48	106	0
2020-04-04	334	42	101	1
2020-04-05	346	44	65	0
2020-04-06	428	40	151	5
2020-04-07	392	35	181	0
2020-04-08	319	38	118	0
2020-04-09	219	18	78	0
2020-04-10	231	16	118	0
2020-04-11	244	37	67	0
2020-04-12	198	47	86	0
2020-04-13	231	50	61	0
2020-04-14	251	49	93	0
2020-04-15	254	43	39	0
2020-04-16	243	44	71	0
2020-04-17	182	17	42	0
2020-04-18	82	31	36	0
2020-04-19	97	26	16	0
2020-04-20	130	40	52	0
2020-04-21	109	55	14	0
2020-04-22	120	61	3	0
2020-04-23	76	40	17	0
2020-04-24	41	42	46	0
2020-04-25	40	31	23	0
2020-04-26	51	35	13	0

Day	England	Scotland	Wales	Northern Ireland
2020-04-27	90	52	58	0
2020-04-28	50	31	21	0
2020-04-29	69	17	2	0
2020-04-30	59	20	0	0
2020-05-01	59	17	0	0
2020-05-02	34	4	0	0
2020-05-03	32	14	0	0
2020-05-04	50	6	0	0
2020-05-05	26	9	0	0
2020-05-06	29	4	0	0
2020-05-07	30	1	0	0
2020-05-08	10	11	0	0
2020-05-09	14	2	0	0
2020-05-10	6	9	0	0
2020-05-11	45	3	0	0
2020-05-12	17	4	0	0
2020-05-13	25	7	0	0
2020-05-14	8	1	0	0
2020-05-15	24	7	0	0
2020-05-16	6	1	0	0
2020-05-17	5	2	0	0

These lineages are shown on the timeline below. 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.


2020-02-01
2020-02-15
2020-03-01
2020-03-15
2020-04-01
2020-04-15
2020-05-01
2020-05-15

The map below 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.



Admin2	Country	Number of sequences	Sequence group
ABERDEEN	Scotland	21	10-50

Admin2	Country	Number of sequences	Sequence group
ABERDEENSHIRE	Scotland	0	0
ANGLESEY	Wales	18	10-50
ANGUS	Scotland	10	10-50
ANTRIM	Northern Ireland	109	100-150
ARGYLL AND BUTE	Scotland	0	0
ARMAGH	Northern Ireland	12	10-50
BATH AND NORTH EAST SOMERSET	England	0	0
BEDFORDSHIRE	England	415	400-500
BERKSHIRE	England	7	1-10
BLACKBURN WITH DARWEN	England	0	0
BLACKPOOL	England	0	0
BLAENAU GWENT	Wales	42	10-50
BOLTON	England	0	0
BOURNEMOUTH	England	0	0
BRIDGEND	Wales	83	50-100
BRIGHTON AND HOVE	England	0	0
BRISTOL	England	18	10-50
BUCKINGHAMSHIRE	England	326	300-400
BURY	England	0	0
CAERPHILLY	Wales	97	50-100
CAMBRIDGESHIRE	England	601	>500
CARDIFF	Wales	310	300-400
CARMARTHENSHIRE	Wales	75	50-100
CENTRAL BEDFORDSHIRE	England	0	0
CEREDIGION	Wales	16	10-50
CHESHIRE	England	8	1-10
CLACKMANNANSHIRE	Scotland	2	1-10
CONWY	Wales	37	10-50
CORNWALL	England	13	10-50
CUMBRIA	England	8	1-10
DARLINGTON	England	0	0
DENBIGHSHIRE	Wales	64	50-100
DERBY	England	0	0
DERBYSHIRE	England	25	10-50
DEVON	England	231	200-250
DORSET	England	140	100-150
DOWN	Northern Ireland	52	50-100
DUMFRIES AND GALLOWAY	Scotland	38	10-50
DUNDEE	Scotland	70	50-100
DURHAM	England	1	1-10
EAST AYRSHIRE	Scotland	36	10-50
EAST DUNBARTONSHIRE	Scotland	0	0
EAST LOTHIAN	Scotland	51	50-100
EAST RENFREWSHIRE	Scotland	0	0
EAST RIDING OF YORKSHIRE	England	20	10-50
EDINBURGH	Scotland	397	300-400
EILEAN SIAR	Scotland	2	1-10
ESSEX	England	1084	>500
FALKIRK	Scotland	62	50-100

Admin2	Country	Number of sequences	Sequence group
FERMANAGH	Northern Ireland	3	1-10
FIFE	Scotland	41	10-50
FLINTSHIRE	Wales	46	10-50
GATESHEAD	England	0	0
GLASGOW	Scotland	606	>500
GLOUCESTERSHIRE	England	246	200-250
GREATER LONDON	England	2162	>500
GUERNSEY	Channel_islands	41	10-50
GWYNEDD	Wales	39	10-50
HALTON	England	0	0
HAMPSHIRE	England	88	50-100
HARTLEPOOL	England	0	0
HEREFORDSHIRE	England	1	1-10
HERTFORDSHIRE	England	838	>500
HIGHLAND	Scotland	9	1-10
INVERCLYDE	Scotland	0	0
ISLE OF WIGHT	England	0	0
ISLES OF SCILLY	England	0	0
JERSEY	Channel_islands	77	50-100
KENT	England	27	10-50
KINGSTON UPON HULL	England	0	0
LANCASHIRE	England	6	1-10
LEICESTER	England	0	0
LEICESTERSHIRE	England	5	1-10
LINCOLNSHIRE	England	14	10-50
LONDONDERRY	Northern Ireland	10	10-50
LUTON	England	0	0
MANCHESTER	England	29	10-50
MEDWAY	England	0	0
MERSEYSIDE	England	59	50-100
MERTHYR TYDFIL	Wales	41	10-50
MIDDLESBROUGH	England	0	0
MIDLOTHIAN	Scotland	119	100-150
MILTON KEYNES	England	0	0
MONMOUTHSHIRE	Wales	46	10-50
MORAY	Scotland	0	0
NEATH PORT TALBOT	Wales	85	50-100
NEWPORT	Wales	112	100-150
NORFOLK	England	324	300-400
NORTH AYRSHIRE	Scotland	0	0
NORTH LANARKSHIRE	Scotland	103	100-150
NORTH LINCOLNSHIRE	England	0	0
NORTH SOMERSET	England	0	0
NORTH YORKSHIRE	England	4	1-10
NORTHAMPTONSHIRE	England	22	10-50
NORTHUMBERLAND	England	2	1-10
NOTTINGHAM	England	552	>500
NOTTINGHAMSHIRE	England	58	50-100
OLDHAM	England	0	0

Admin2	Country	Number of sequences	Sequence group
ORKNEY ISLANDS	Scotland	1	1-10
OXFORDSHIRE	England	91	50-100
PEMBROKESHIRE	Wales	56	50-100
PERTHSHIRE AND KINROSS	Scotland	14	10-50
PETERBOROUGH	England	0	0
PLYMOUTH	England	0	0
POOLE	England	0	0
PORTSMOUTH	England	0	0
POWYS	Wales	35	10-50
REDCAR AND CLEVELAND	England	0	0
RENFREWSHIRE	Scotland	157	150-200
RHONDDA, CYNON, TAFF	Wales	0	0
ROCHDALE	England	0	0
RUTLAND	England	0	0
SALFORD	England	0	0
SCOTTISH BORDERS	Scotland	102	100-150
SHETLAND ISLANDS	Scotland	14	10-50
SHROPSHIRE	England	1	1-10
SOMERSET	England	231	200-250
SOUTH AYRSHIRE	Scotland	0	0
SOUTH GLOUCESTERSHIRE	England	0	0
SOUTH LANARKSHIRE	Scotland	3	1-10
SOUTH YORKSHIRE	England	1058	>500
SOUTHAMPTON	England	0	0
SOUTHEND-ON-SEA	England	0	0
STAFFORDSHIRE	England	24	10-50
STIRLING	Scotland	0	0
STOCKPORT	England	0	0
STOCKTON-ON-TEES	England	0	0
STOKE-ON-TRENT	England	0	0
SUFFOLK	England	392	300-400
SURREY	England	56	50-100
SUSSEX	England	1	1-10
SWANSEA	Wales	200	200-250
SWINDON	England	0	0
TAMESIDE	England	0	0
TELFORD AND WREKIN	England	0	0
THURROCK	England	0	0
TORBAY	England	0	0
TORFAEN	Wales	71	50-100
TRAFFORD	England	0	0
TYNE AND WEAR	England	37	10-50
TYRONE	Northern Ireland	13	10-50
VALE OF GLAMORGAN	Wales	118	100-150
WARRINGTON	England	0	0
WARWICKSHIRE	England	9	1-10
WEST DUNBARTONSHIRE	Scotland	0	0
WEST LOTHIAN	Scotland	88	50-100
WEST MIDLANDS	England	87	50-100

Admin2	Country	Number of sequences	Sequence group
WEST YORKSHIRE	England	19	10-50
WIGAN	England	0	0
WILTSHIRE	England	150	150-200
WORCESTERSHIRE	England	7	1-10
WREXHAM	Wales	64	50-100
YORK	England	0	0

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

The plot below shows the number of sequences from each country that don't have specific enough location data to plot on the map.