

UK lineages summary report

This report gives summaries of UK specific lineages for week 2020-05-15. There are time lags due to batching, curation and analysis, the most recently sampled sequence is 2020-05-10. The analysis (eg time since last sample) is therefore undertaken from this date. 15866 sequences in the UK have been included in this analysis. 7125 lineages have been recorded, 5958 of which only contain one sequence.

Note: 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.

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

6787 are lineages which only contained five sequences or fewer, and so have been left out of visualisation in the interests of clarity

Of the 338 that remain: 162 are pending extinction, ie last seen three weeks ago. 72 have not been seen for more than one month, and so are viewed as extinct, but will continue to be monitored. 104 lineages have gone quiet, ie haven't been seen this week.

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.

It is also written to "summary_files" as "lineage_summary.tsv" for further use.

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK5	3 (0.34%)	741 (83.45%)	46 (5.18%)	98 (11.04%)	Mar-03, May-08	888	B.1.1	2
UK2461	0 (0%)	402 (70.28%)	69 (12.06%)	101 (17.66%)	Mar-09, May-08	572	B.1.11	2
UK6997	0 (0%)	14 (4.07%)	0 (0%)	330 (95.93%)	Mar-10, Apr-21	344	B.3, B	19
UK30	1 (0.53%)	46 (24.21%)	142 (74.74%)	1 (0.53%)	Mar-18, May-04	190	B.1	6
UK76	0 (0%)	1 (0.8%)	124 (99.2%)	0 (0%)	Mar-16, Apr-28	125	B.1	12
UK10	0 (0%)	8 (7.14%)	2 (1.79%)	102 (91.07%)	Mar-07, Apr-22	112	B.1	18
UK159	0 (0%)	2 (1.83%)	0 (0%)	107 (98.17%)	Mar-20, Apr-20	109	B.1, B.1.24	20
UK45	0 (0%)	5 (5.81%)	81 (94.19%)	0 (0%)	Mar-13, Apr-28	86	B, B.8	12
UK28	0 (0%)	81 (97.59%)	1 (1.2%)	1 (1.2%)	Mar-18, Apr-29	83	B.1	11
UK18	0 (0%)	69 (94.52%)	0 (0%)	4 (5.48%)	Mar-11, Apr-20	73	B.2.4, B.2	20
UK24	0 (0%)	68 (100.0%)	0 (0%)	0 (0%)	Mar-15, Apr-21	68	B.2.1, B.2	19

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK58	46 (69.7%)	13 (19.7%)	7 (10.61%)	0 (0%)	Mar-13, Apr-22	66	B	18
UK74	0 (0%)	62 (100.0%)	0 (0%)	0 (0%)	Mar-21, May-08	62	B.1	2
UK61	0 (0%)	59 (98.33%)	0 (0%)	1 (1.67%)	Mar-17, May-03	60	B.1.30	7
UK3411	0 (0%)	46 (76.67%)	14 (23.33%)	0 (0%)	Mar-18, Apr-28	60	B.1	12
UK4	0 (0%)	49 (81.67%)	0 (0%)	11 (18.33%)	Mar-02, May-01	60	B.8	9
UK105	0 (0%)	55 (98.21%)	0 (0%)	1 (1.79%)	Mar-11, Apr-18	56	B.1	22
UK139	0 (0%)	54 (100.0%)	0 (0%)	0 (0%)	Mar-19, Apr-17	54	B.1	23
UK47	0 (0%)	50 (94.34%)	3 (5.66%)	0 (0%)	Mar-12, Apr-23	53	B.3	17
UK7689	0 (0%)	53 (100.0%)	0 (0%)	0 (0%)	Mar-18, May-06	53	B.1	4
UK41	0 (0%)	0 (0%)	51 (100.0%)	0 (0%)	Mar-12, Apr-27	51	A.2	13
UK133	0 (0%)	50 (98.04%)	0 (0%)	1 (1.96%)	Mar-15, Apr-20	51	B.2.1	20
UK142	0 (0%)	29 (58.0%)	21 (42.0%)	0 (0%)	Mar-26, May-08	50	B.1	2
UK1373	0 (0%)	49 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-17	49	B.1	23
UK3734	0 (0%)	49 (100.0%)	0 (0%)	0 (0%)	Mar-20, May-02	49	B.1	8
UK9	0 (0%)	49 (100.0%)	0 (0%)	0 (0%)	Feb-24, Apr-30	49	B.1	10
UK15	0 (0%)	0 (0%)	0 (0%)	47 (100.0%)	Mar-25, Apr-21	47	B.1	19
UK126	0 (0%)	47 (100.0%)	0 (0%)	0 (0%)	Mar-12, Apr-19	47	B.2.1, B.2	21
UK6625	0 (0%)	45 (100.0%)	0 (0%)	0 (0%)	Mar-19, Apr-14	45	B.1	26
UK14	0 (0%)	38 (90.48%)	2 (4.76%)	2 (4.76%)	Mar-03, May-01	42	B	9
UK7690	0 (0%)	42 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-26	42	B.1	14

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK7138	0 (0%)	39 (95.12%)	0 (0%)	2 (4.88%)	Mar-15, Apr-20	41	B.1	20
UK20	3 (7.5%)	1 (2.5%)	34 (85.0%)	2 (5.0%)	Mar-14, Apr-10	40	B.2	30
UK2	0 (0%)	39 (100.0%)	0 (0%)	0 (0%)	Mar-01, Apr-27	39	B.1.20	13
UK7001	1 (2.56%)	0 (0%)	38 (97.44%)	0 (0%)	Mar-17, May-01	39	B	9
UK36	1 (2.56%)	36 (92.31%)	1 (2.56%)	1 (2.56%)	Mar-17, May-09	39	B.1	1
UK3738	0 (0%)	37 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-15	37	B.1	25
UK52	0 (0%)	33 (89.19%)	0 (0%)	4 (10.81%)	Mar-11, Apr-14	37	B	26
UK135	0 (0%)	36 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-17	36	B.1.13	23
UK4931	0 (0%)	36 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-26	36	B.2.1	14
UK836	0 (0%)	34 (100.0%)	0 (0%)	0 (0%)	Mar-11, Apr-21	34	B.1	19
UK2572	0 (0%)	33 (100.0%)	0 (0%)	0 (0%)	Apr-08, May-06	33	B.1.11	4
UK2060	0 (0%)	33 (100.0%)	0 (0%)	0 (0%)	Apr-08, May-06	33	B.1.5	4
UK35	0 (0%)	4 (12.5%)	13 (40.62%)	15 (46.88%)	Mar-19, May-01	32	B.1, B.1.5	9
UK7121	0 (0%)	32 (100.0%)	0 (0%)	0 (0%)	Apr-10, May-06	32	B.1	4
UK3737	0 (0%)	31 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-28	31	B.1	12
UK44	0 (0%)	31 (100.0%)	0 (0%)	0 (0%)	Mar-19, May-01	31	B.2	9
UK3552	0 (0%)	29 (96.67%)	0 (0%)	1 (3.33%)	Mar-11, Apr-17	30	B.1	23
UK369	0 (0%)	30 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-29	30	B.1	11
UK111	0 (0%)	29 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-05	29	B.1	35
UK72	0 (0%)	29 (100.0%)	0 (0%)	0 (0%)	Mar-21, May-08	29	B.1	2

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK162	0 (0%)	28 (100.0%)	0 (0%)	0 (0%)	Feb-25, Apr-01	28	B.2.1	39
UK8	0 (0%)	28 (100.0%)	0 (0%)	0 (0%)	Mar-05, Apr-07	28	B.2.1	33
UK3701	0 (0%)	28 (100.0%)	0 (0%)	0 (0%)	Mar-20, May-05	28	B.1	5
UK112	0 (0%)	28 (100.0%)	0 (0%)	0 (0%)	Mar-12, May-01	28	B	9
UK350	0 (0%)	27 (100.0%)	0 (0%)	0 (0%)	Mar-24, May-02	27	B.1	8
UK53	0 (0%)	25 (96.15%)	1 (3.85%)	0 (0%)	Mar-10, Apr-17	26	B.2.1	23
UK3747	0 (0%)	16 (64.0%)	0 (0%)	9 (36.0%)	Apr-01, Apr-30	25	B.1	10
UK3854	0 (0%)	14 (56.0%)	1 (4.0%)	10 (40.0%)	Mar-01, Apr-20	25	B.1	20
UK96	0 (0%)	24 (96.0%)	1 (4.0%)	0 (0%)	Mar-19, Apr-27	25	B.1	13
UK173	0 (0%)	24 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-19	24	B.1	21
UK3572	0 (0%)	0 (0%)	0 (0%)	24 (100.0%)	Mar-30, Apr-20	24	B.1	20
UK2900	0 (0%)	0 (0%)	22 (95.65%)	1 (4.35%)	Mar-22, Apr-29	23	B.1	11
UK1970	0 (0%)	0 (0%)	23 (100.0%)	0 (0%)	Apr-08, Apr-30	23	B.1.5	10
UK3740	0 (0%)	23 (100.0%)	0 (0%)	0 (0%)	Mar-25, Apr-17	23	B.1	23
UK123	0 (0%)	17 (73.91%)	1 (4.35%)	5 (21.74%)	Mar-17, Apr-19	23	B.1	21
UK6547	0 (0%)	21 (95.45%)	1 (4.55%)	0 (0%)	Mar-23, Apr-30	22	B.1	10
UK63	0 (0%)	0 (0%)	14 (63.64%)	8 (36.36%)	Mar-18, Apr-18	22	B.1	22
UK34	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-14, Apr-02	22	B.2.1	38
UK60	0 (0%)	0 (0%)	22 (100.0%)	0 (0%)	Mar-18, May-08	22	B.1	2
UK49	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-17, Apr-26	22	B.1	14
UK129	0 (0%)	22 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-21	22	B.1	19
UK140	0 (0%)	21 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-15	21	B.1	25

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UK66	0 (0%)	2 (9.52%)	19 (90.48%)	0 (0%)	Mar-12, Apr-27	21	B	13
UK50	0 (0%)	20 (95.24%)	0 (0%)	1 (4.76%)	Mar-13, Apr-05	21	B.2.1	35
UK131	0 (0%)	21 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-16	21	B.1	24
UK3906	0 (0%)	20 (95.24%)	1 (4.76%)	0 (0%)	Mar-23, Apr-26	21	B.1	14
UK197	0 (0%)	0 (0%)	0 (0%)	20 (100.0%)	Apr-01, Apr-20	20	B.1	20
UK153	0 (0%)	17 (85.0%)	2 (10.0%)	1 (5.0%)	Mar-21, Apr-26	20	B.1.5	14
UK165	0 (0%)	20 (100.0%)	0 (0%)	0 (0%)	Feb-27, Mar-08	20	B.1.7	63
UK89	0 (0%)	0 (0%)	19 (100.0%)	0 (0%)	Mar-13, Apr-20	19	B.1	20
UK3193	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-26	19	B.1	14
UK6668	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-13	19	B.1	27
UK2810	0 (0%)	19 (100.0%)	0 (0%)	0 (0%)	Apr-12, May-06	19	B.1	4
UK4137	0 (0%)	0 (0%)	0 (0%)	19 (100.0%)	Apr-02, Apr-16	19	B.1	24
UK632	0 (0%)	11 (57.89%)	0 (0%)	8 (42.11%)	Mar-27, Apr-21	19	B.1	19
UK2576	0 (0%)	1 (5.56%)	17 (94.44%)	0 (0%)	Apr-06, Apr-30	18	B.1.11	10
UK187	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Feb-28, Apr-04	18	B.2.1, B.2	36
UK184	0 (0%)	7 (38.89%)	0 (0%)	11 (61.11%)	Mar-30, Apr-23	18	B.1	17
UK1312	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Mar-20, May-02	18	B.1	8
UK5303	1 (5.56%)	4 (22.22%)	2 (11.11%)	11 (61.11%)	Mar-20, Apr-20	18	B.2.2	20
UK114	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Mar-14, Apr-16	18	B.2.1	24
UK3778	0 (0%)	1 (5.56%)	17 (94.44%)	0 (0%)	Mar-25, May-03	18	B.1	7
UK31	0 (0%)	15 (83.33%)	1 (5.56%)	2 (11.11%)	Mar-21, Apr-13	18	B.3	27
UK46	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Apr-04, Apr-17	18	B.1	23

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UK1292	0 (0%)	18 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-10	18	B.1	30
UK715	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Mar-19, Apr-18	17	B.1.5	22
UK3761	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Apr-03, May-08	17	B.1	2
UK1458	0 (0%)	0 (0%)	0 (0%)	17 (100.0%)	Mar-27, Apr-18	17	B.1	22
UK109	0 (0%)	5 (29.41%)	4 (23.53%)	8 (47.06%)	Mar-09, Apr-16	17	B.1, B.1.7	24
UK179	0 (0%)	0 (0%)	12 (70.59%)	5 (29.41%)	Mar-24, Apr-27	17	B.1, B.1.10	13
UK976	0 (0%)	17 (100.0%)	0 (0%)	0 (0%)	Mar-24, Apr-18	17	B.1	22
UK3760	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Apr-04, May-06	16	B.1	4
UK21	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Mar-13, Apr-14	16	B.2	26
UK67	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-06	16	B.1	34
UK3707	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Apr-08, May-04	16	B.1	6
UK93	0 (0%)	0 (0%)	16 (100.0%)	0 (0%)	Mar-21, Apr-22	16	B.1	18
UK12	0 (0%)	0 (0%)	16 (100.0%)	0 (0%)	Mar-06, Mar-20	16	B.1	51
UK205	0 (0%)	11 (68.75%)	4 (25.0%)	1 (6.25%)	Mar-27, Apr-27	16	B.1	13
UK22	0 (0%)	16 (100.0%)	0 (0%)	0 (0%)	Mar-30, May-07	16	B.1	3
UK3888	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-16	15	B.1	24
UK1065	0 (0%)	14 (93.33%)	1 (6.67%)	0 (0%)	Feb-13, Apr-22	15	B.2	18
UK3731	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-25	15	B.1	15
UK2270	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Mar-24, Apr-28	15	B.1	12
UK3914	0 (0%)	0 (0%)	15 (100.0%)	0 (0%)	Apr-16, May-08	15	B.1	2
UK1231	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-14	15	B.1	26

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UK3886	0 (0%)	15 (100.0%)	0 (0%)	0 (0%)	Apr-05, Apr-09	15	B.1	31
UK3860	0 (0%)	0 (0%)	0 (0%)	14 (100.0%)	Apr-05, Apr-20	14	B.1	20
UK3298	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Apr-04, Apr-24	14	B.1	16
UK8061	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Apr-08, Apr-27	14	B.1	13
UK110	0 (0%)	0 (0%)	0 (0%)	14 (100.0%)	Mar-25, Apr-12	14	B.1	28
UK146	0 (0%)	0 (0%)	0 (0%)	14 (100.0%)	Mar-18, Apr-16	14	B.2.2	24
UK2062	0 (0%)	0 (0%)	14 (100.0%)	0 (0%)	Apr-18, May-03	14	B.1.5	7
UK3831	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-15	14	B.1	25
UK4088	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-14	14	B.1	26
UK2571	0 (0%)	14 (100.0%)	0 (0%)	0 (0%)	Apr-01, May-05	14	B.1.11	5
UK1124	0 (0%)	12 (92.31%)	0 (0%)	1 (7.69%)	Mar-31, Apr-25	13	B.1	15
UK1258	0 (0%)	4 (30.77%)	0 (0%)	9 (69.23%)	Mar-28, Apr-30	13	B.1	10
UK668	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-23	13	B.1	17
UK4002	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-29, May-03	13	B.1	7
UK42	0 (0%)	12 (92.31%)	1 (7.69%)	0 (0%)	Feb-26, Apr-17	13	B.1	23
UK37	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-16	13	B.1, B.1.7	24
UK4352	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-09, Apr-27	13	B.1	13
UK3728	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Mar-19, Apr-14	13	B.1	26
UK1433	0 (0%)	13 (100.0%)	0 (0%)	0 (0%)	Feb-15, Apr-02	13	B.4	38
UK104	0 (0%)	4 (30.77%)	0 (0%)	9 (69.23%)	Mar-23, Apr-14	13	B.1	26
UK4091	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-22	12	B.1	18
UK2878	0 (0%)	0 (0%)	0 (0%)	12 (100.0%)	Mar-30, Apr-16	12	B.1	24

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UK3568	0 (0%)	0 (0%)	0 (0%)	12 (100.0%)	Apr-07, Apr-20	12	B.1	20
UK38	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-13, Apr-02	12	B.1	38
UK3754	0 (0%)	11 (91.67%)	0 (0%)	1 (8.33%)	Mar-27, Apr-22	12	B.1	18
UK3921	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-27	12	B.1	13
UK2899	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Apr-06, Apr-30	12	B.1	10
UK3767	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Apr-01, Apr-20	12	B.1	20
UK1184	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-15, May-03	12	B.1	7
UK3471	0 (0%)	0 (0%)	0 (0%)	12 (100.0%)	Mar-29, Apr-09	12	B.1	31
UK2867	0 (0%)	0 (0%)	0 (0%)	12 (100.0%)	Apr-05, Apr-20	12	B.1	20
UK77	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-22, Apr-17	12	B.1	23
UK291	0 (0%)	0 (0%)	0 (0%)	12 (100.0%)	Mar-30, Apr-20	12	B.1	20
UK566	0 (0%)	0 (0%)	12 (100.0%)	0 (0%)	Apr-01, May-02	12	B.1	8
UK3710	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-22, Apr-16	12	B.1	24
UK939	7 (58.33%)	1 (8.33%)	3 (25.0%)	1 (8.33%)	Mar-11, Apr-02	12	B	38
UK1849	0 (0%)	12 (100.0%)	0 (0%)	0 (0%)	Mar-06, Mar-14	12	B	57
UK3716	0 (0%)	9 (81.82%)	2 (18.18%)	0 (0%)	Mar-18, Apr-28	11	B.1	12
UK1686	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-12	11	B.3	28
UK3827	1 (9.09%)	10 (90.91%)	0 (0%)	0 (0%)	Mar-18, Apr-11	11	B.1	29
UK94	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-11	11	B.2	29
UK118	0 (0%)	8 (72.73%)	2 (18.18%)	1 (9.09%)	Mar-17, Apr-13	11	B.2	27
UK3755	0 (0%)	8 (72.73%)	0 (0%)	3 (27.27%)	Mar-31, Apr-24	11	B.1	16
UK132	0 (0%)	0 (0%)	11 (100.0%)	0 (0%)	Mar-13, Apr-05	11	B.2	35
UK196	0 (0%)	8 (72.73%)	1 (9.09%)	2 (18.18%)	Mar-26, Apr-18	11	B.1	22

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UK43	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-13, Apr-13	11	B.2.1, B.2	27
UK3765	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-28	11	B.1	12
UK3774	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Apr-20, Apr-21	11	B.1	19
UK1586	0 (0%)	0 (0%)	11 (100.0%)	0 (0%)	Mar-19, Apr-08	11	A.3	32
UK3197	0 (0%)	0 (0%)	0 (0%)	11 (100.0%)	Mar-30, Apr-13	11	B.1	27
UK1179	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-17	11	B.1	23
UK6570	0 (0%)	0 (0%)	0 (0%)	11 (100.0%)	Apr-06, Apr-16	11	B.1	24
UK7810	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-18, Apr-30	11	B.1.10	10
UK899	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-06	11	B.2.1, B.2	34
UK2840	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-13	11	B.1, B.1.7	27
UK7	0 (0%)	11 (100.0%)	0 (0%)	0 (0%)	Mar-07, Apr-03	11	B.8	37
UK5914	0 (0%)	0 (0%)	10 (100.0%)	0 (0%)	Apr-24, May-08	10	B.1.5	2
UK5381	0 (0%)	0 (0%)	10 (100.0%)	0 (0%)	Mar-24, Apr-21	10	B.2	19
UK720	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Feb-28, Mar-08	10	B.2.1, B.2	63
UK575	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-29	10	B.8	11
UK13	1 (10.0%)	7 (70.0%)	1 (10.0%)	1 (10.0%)	Mar-03, Apr-10	10	B.2	30
UK3708	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-06, Apr-23	10	B.1	17
UK730	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-20	10	B.1	20
UK4735	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-14	10	B.1	26
UK351	0 (0%)	0 (0%)	0 (0%)	10 (100.0%)	Apr-01, Apr-16	10	B.1	24
UK3703	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Apr-10, May-03	10	B.1	7
UK5735	0 (0%)	0 (0%)	0 (0%)	10 (100.0%)	Apr-02, Apr-20	10	B.1	20
UK4110	10 (100.0%)	0 (0%)	0 (0%)	0 (0%)	Mar-21, Mar-28	10	B.1	43

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK1687	0 (0%)	10 (100.0%)	0 (0%)	0 (0%)	Mar-06, Apr-06	10	B.3	34
UK690	1 (10.0%)	9 (90.0%)	0 (0%)	0 (0%)	Mar-26, Apr-07	10	B.1	33
UK2025	0 (0%)	0 (0%)	10 (100.0%)	0 (0%)	Apr-05, Apr-22	10	B.1.5	18
UK2038	0 (0%)	0 (0%)	10 (100.0%)	0 (0%)	Apr-13, Apr-29	10	B.1.5	11
UK3736	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Apr-09, May-01	9	B.1	9
UK57	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-16, Mar-27	9	B.8	44
UK2279	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-17	9	B.1	23
UK124	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-23, Mar-30	9	B.1	41
UK2161	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-06	9	B.1.13	34
UK2240	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-12	9	B.1	28
UK25	0 (0%)	7 (77.78%)	1 (11.11%)	1 (11.11%)	Mar-10, Apr-17	9	B.2.2, B.2	23
UK69	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-15, Apr-17	9	B.2.1	23
UK4930	0 (0%)	9 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-08	9	B.2.1	32
UK5511	0 (0%)	2 (22.22%)	0 (0%)	7 (77.78%)	Mar-23, Apr-14	9	B.2.5	26
UK29	0 (0%)	2 (22.22%)	0 (0%)	7 (77.78%)	Mar-25, Apr-14	9	B.3	26
UK3711	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-10, May-06	8	B.1	4
UK3704	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-13, May-03	8	B.1	7
UK1980	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-29, May-07	8	B.1.5	3
UK208	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-25, Apr-15	8	B.2.1	25
UK560	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-18, Apr-14	8	B.2	26
UK3602	0 (0%)	7 (87.5%)	0 (0%)	1 (12.5%)	Mar-31, Apr-19	8	B.1	21
UK2024	0 (0%)	0 (0%)	6 (75.0%)	2 (25.0%)	Mar-18, Apr-15	8	B.1.5	25

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK3709	0 (0%)	7 (87.5%)	0 (0%)	1 (12.5%)	Mar-31, Apr-22	8	B.1	18
UK5944	0 (0%)	0 (0%)	8 (100.0%)	0 (0%)	Apr-24, May-06	8	B.1.5	4
UK1632	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-01, Mar-08	8	B.4	63
UK7946	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-18, Apr-16	8	B.1	24
UK876	0 (0%)	0 (0%)	0 (0%)	8 (100.0%)	Mar-24, Apr-20	8	B.1.5	20
UK2910	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-27	8	B.1	13
UK1961	0 (0%)	0 (0%)	8 (100.0%)	0 (0%)	Apr-20, May-06	8	B.1.5	4
UK5386	0 (0%)	0 (0%)	0 (0%)	8 (100.0%)	Apr-03, Apr-21	8	B.2	19
UK502	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-24, Apr-09	8	B.3	31
UK6140	0 (0%)	0 (0%)	0 (0%)	8 (100.0%)	Apr-09, Apr-21	8	B.1.7	19
UK3845	0 (0%)	4 (50.0%)	0 (0%)	4 (50.0%)	Mar-11, Apr-19	8	B.1	21
UK6669	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-11	8	B.1	29
UK1112	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-03	8	B.1.13	37
UK3771	0 (0%)	5 (62.5%)	3 (37.5%)	0 (0%)	Mar-30, Apr-22	8	B.1	18
UK3782	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-11, May-02	8	B.1	8
UK1420	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-27, Apr-30	8	B.1	10
UK3810	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-08	8	B.1	32
UK4055	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-04, Apr-29	8	B.1	11
UK3192	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-15	8	B.1	25
UK5302	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-11, Apr-22	8	B.2.2	18
UK3812	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-12	8	B.1	28
UK200	0 (0%)	7 (87.5%)	0 (0%)	1 (12.5%)	Mar-04, Apr-14	8	B.2.1	26

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK3678	0 (0%)	4 (50.0%)	0 (0%)	4 (50.0%)	Mar-23, Apr-06	8	B.1	34
UK613	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-15	8	B.1.7	25
UK4643	0 (0%)	6 (75.0%)	1 (12.5%)	1 (12.5%)	Mar-12, Apr-08	8	B.1	32
UK1252	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-10	8	B	30
UK6254	0 (0%)	0 (0%)	0 (0%)	8 (100.0%)	Apr-07, Apr-14	8	B.1	26
UK629	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-14	8	B.1	26
UK3994	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Apr-15, Apr-16	8	B.1	24
UK33	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-16	8	B.2.1	24
UK78	0 (0%)	8 (100.0%)	0 (0%)	0 (0%)	Mar-10, Apr-06	8	B.2.1	34
UK3822	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-02, Apr-16	7	B.1	24
UK130	0 (0%)	6 (85.71%)	1 (14.29%)	0 (0%)	Mar-17, Mar-27	7	B.2.1, B.2	44
UK6150	0 (0%)	5 (71.43%)	1 (14.29%)	1 (14.29%)	Mar-12, Apr-12	7	B.1.7	28
UK3299	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-17	7	B.1	23
UK3699	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-15, May-01	7	B.1	9
UK2070	0 (0%)	0 (0%)	7 (100.0%)	0 (0%)	Apr-15, Apr-27	7	B.1.5	13
UK1390	0 (0%)	6 (85.71%)	1 (14.29%)	0 (0%)	Apr-01, Apr-20	7	B.2.1	20
UK2160	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-20	7	B.1.13	20
UK2577	0 (0%)	0 (0%)	7 (100.0%)	0 (0%)	Mar-29, Apr-22	7	B.1.11	18
UK206	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-25, May-05	7	B.1	5
UK4131	0 (0%)	0 (0%)	0 (0%)	7 (100.0%)	Apr-02, Apr-17	7	B.1	23
UK23	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-11, Apr-08	7	B.2.2	32
UK158	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-10, Mar-18	7	B.2.1	53
UK1676	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-16	7	B.3	24

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK4932	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-22, Apr-19	7	B.2.1	21
UK3733	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-02, Apr-29	7	B.1	11
UK3640	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-22, May-04	7	B.1	6
UK3986	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-11	7	B.1	29
UK7831	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-28, Apr-13	7	B.1.10	27
UK7969	0 (0%)	0 (0%)	0 (0%)	7 (100.0%)	Mar-31, Apr-16	7	B.1	24
UK99	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-22, Apr-27	7	B.1	13
UK2869	0 (0%)	0 (0%)	0 (0%)	7 (100.0%)	Apr-01, Apr-19	7	B.1	21
UK4816	0 (0%)	1 (14.29%)	6 (85.71%)	0 (0%)	Apr-02, Apr-26	7	B.1	14
UK1631	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Feb-28, Mar-05	7	B.4	66
UK978	0 (0%)	2 (28.57%)	0 (0%)	5 (71.43%)	Mar-20, Apr-09	7	B.2.1	31
UK3656	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-26, Apr-06	7	B.1	34
UK1444	0 (0%)	2 (28.57%)	0 (0%)	5 (71.43%)	Mar-22, Apr-12	7	B.2	28
UK3898	0 (0%)	4 (57.14%)	0 (0%)	3 (42.86%)	Apr-04, Apr-20	7	B.1	20
UK2163	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Apr-06, Apr-17	7	B.1.13	23
UK3829	0 (0%)	6 (85.71%)	0 (0%)	1 (14.29%)	Mar-23, Apr-13	7	B.1	27
UK48	0 (0%)	6 (85.71%)	0 (0%)	1 (14.29%)	Mar-06, Apr-11	7	B.2	29
UK32	0 (0%)	6 (85.71%)	1 (14.29%)	0 (0%)	Mar-05, Apr-17	7	B.2.2	23
UK7881	0 (0%)	0 (0%)	0 (0%)	7 (100.0%)	Mar-30, Apr-17	7	B.1	23
UK552	0 (0%)	7 (100.0%)	0 (0%)	0 (0%)	Mar-24, Apr-08	7	B.1	32
UK2815	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-27	6	B.1	13
UK693	0 (0%)	1 (16.67%)	5 (83.33%)	0 (0%)	Mar-31, May-02	6	B.1.11	8
UK1698	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-13, Apr-16	6	B.3	24

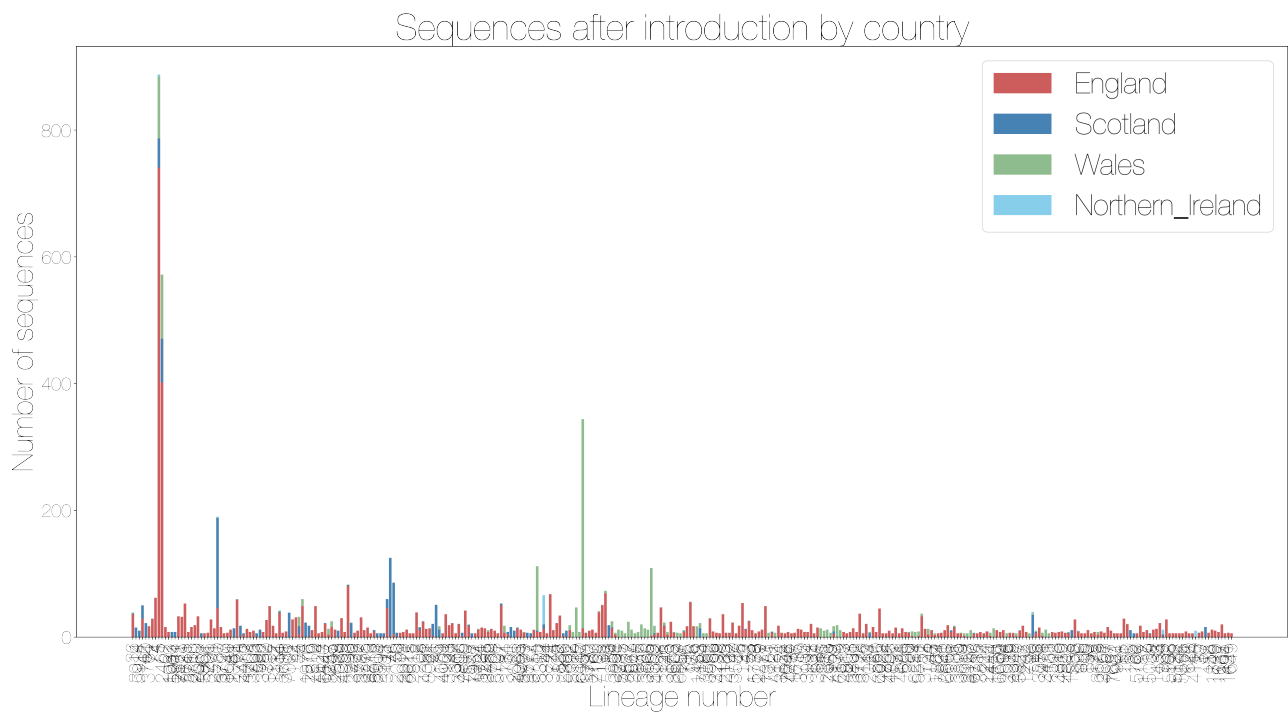
Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK3176	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-15, Apr-15	6	B.1	25
UK6615	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-01, Apr-27	6	B.1	13
UK1494	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-01, Mar-07	6	B.1	64
UK174	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-14	6	B.1	26
UK793	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-06, Apr-10	6	B.1	30
UK3777	0 (0%)	1 (16.67%)	5 (83.33%)	0 (0%)	Mar-30, Apr-22	6	B.1	18
UK19	0 (0%)	2 (33.33%)	0 (0%)	4 (66.67%)	Mar-06, Apr-13	6	B.1	27
UK2920	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Mar-25, Apr-13	6	B.1	27
UK54	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-14, Mar-28	6	B.2.1, B.2	43
UK4624	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-30	6	B.1	10
UK4737	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-11, Apr-16	6	B.1	24
UK3813	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-03, Apr-28	6	B.1	12
UK3587	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-01, Apr-17	6	B.1	23
UK2916	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-05, Apr-11	6	B.1	29
UK4228	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-14	6	B.1	26
UK4133	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Mar-27, Apr-09	6	B.1	31
UK5908	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Apr-11, Apr-28	6	B.1.5	12
UK5039	0 (0%)	5 (83.33%)	1 (16.67%)	0 (0%)	Mar-18, Apr-02	6	B.2.1, B.2	38
UK2594	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Apr-01, Apr-28	6	B.1.11	12
UK1962	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Apr-23, May-05	6	B.1.5	5
UK103	0 (0%)	1 (16.67%)	5 (83.33%)	0 (0%)	Mar-21, Apr-28	6	B.1	12
UK804	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-18, Apr-14	6	B.1	26
UK3801	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-10, May-05	6	B.1	5

Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK4806	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-05, Apr-14	6	B.1	26
UK2956	0 (0%)	2 (33.33%)	4 (66.67%)	0 (0%)	Mar-31, Apr-21	6	B.1	19
UK367	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-08, Apr-26	6	B.1	14
UK4807	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-15	6	B.1	25
UK120	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-20, Mar-31	6	B.1, B.1.7	40
UK3805	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-13	6	B.1	27
UK3844	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-05, Apr-21	6	B.1	19
UK473	0 (0%)	4 (66.67%)	2 (33.33%)	0 (0%)	Mar-29, May-03	6	B.1	7
UK1075	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-24, Mar-30	6	B.1	41
UK5132	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-21, Mar-30	6	B.2.1, B.2	41
UK3723	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-18, May-04	6	B.1	6
UK1975	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Apr-13, Apr-25	6	B.1.5	15
UK5596	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-21, Mar-30	6	B	41
UK356	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-23, Apr-07	6	B.2.1	33
UK1109	0 (0%)	3 (50.0%)	0 (0%)	3 (50.0%)	Mar-21, Apr-13	6	B.2.1	27
UK4738	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-04, Apr-17	6	B.1	23
UK188	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-13, Apr-05	6	B.2	35
UK204	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-12	6	B.1.13	28
UK5700	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-30, Apr-04	6	B.1	36
UK134	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-19, May-02	6	B.2.1	8
UK5701	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-01, Apr-23	6	B.1	17
UK115	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-16, Apr-06	6	B.8	34

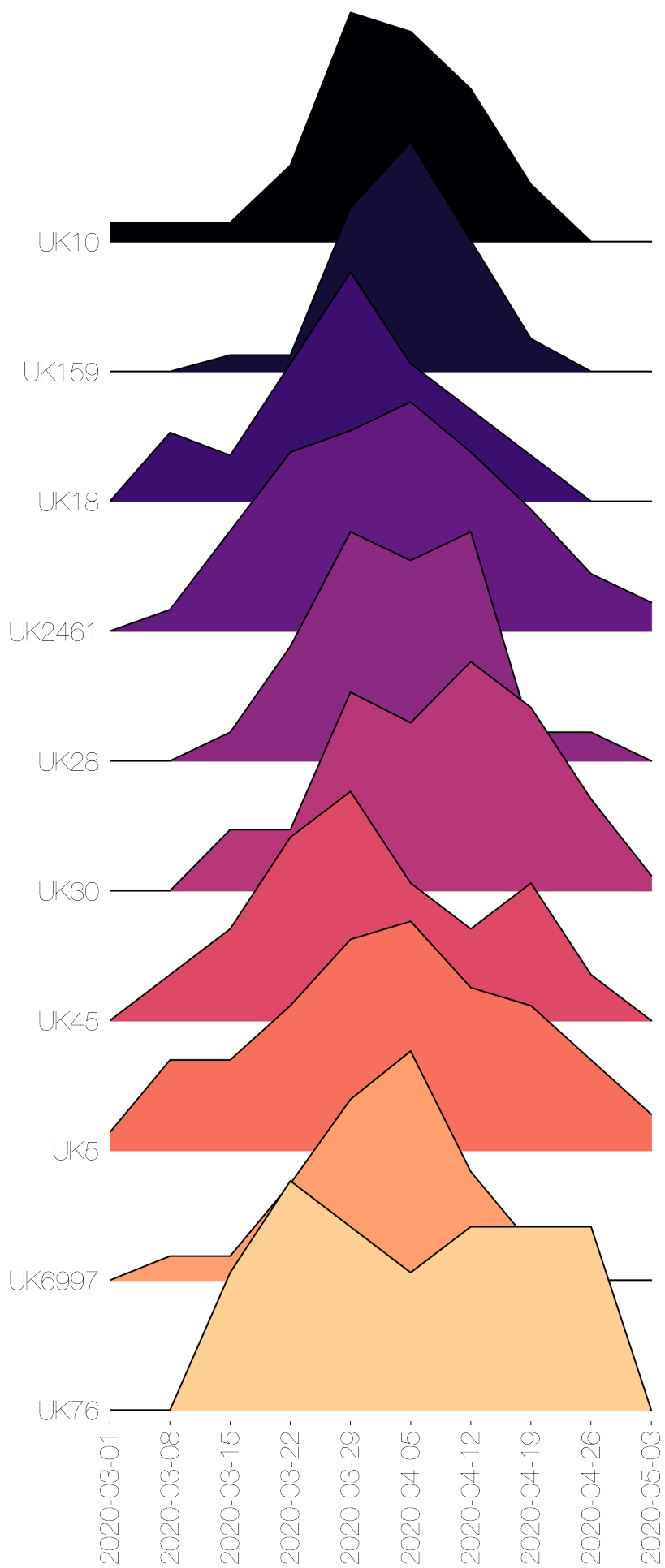
Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK7807	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-03, Apr-20	6	B.1.10	20
UK951	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-05	6	B.1	35
UK620	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-24, Mar-29	6	B.2.1	42
UK7738	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-12	6	B.1	28
UK649	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-04, Mar-04	6	B.1	67
UK3849	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Mar-31, Apr-20	6	B.1	20
UK3862	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-06, Apr-18	6	B.1	22
UK7184	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-10, Apr-18	6	B.1, B.1.5	22
UK189	0 (0%)	0 (0%)	6 (100.0%)	0 (0%)	Mar-30, Apr-04	6	B.1	36
UK5598	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-19, Mar-31	6	B.3	40
UK6587	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-07, Apr-19	6	B.1	21
UK7957	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-02, Apr-25	6	B.1	15
UK864	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-13, Apr-13	6	B.2.1	27
UK4946	0 (0%)	1 (16.67%)	0 (0%)	5 (83.33%)	Mar-31, Apr-11	6	B.2.1	29
UK4009	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-31, Apr-26	6	B.1	14
UK634	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-16	6	B.1	24
UK5738	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-29, Apr-17	6	B.1	23
UK198	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-20, Apr-06	6	B.2.2	34
UK7632	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-24, Apr-05	6	B.8	35

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.

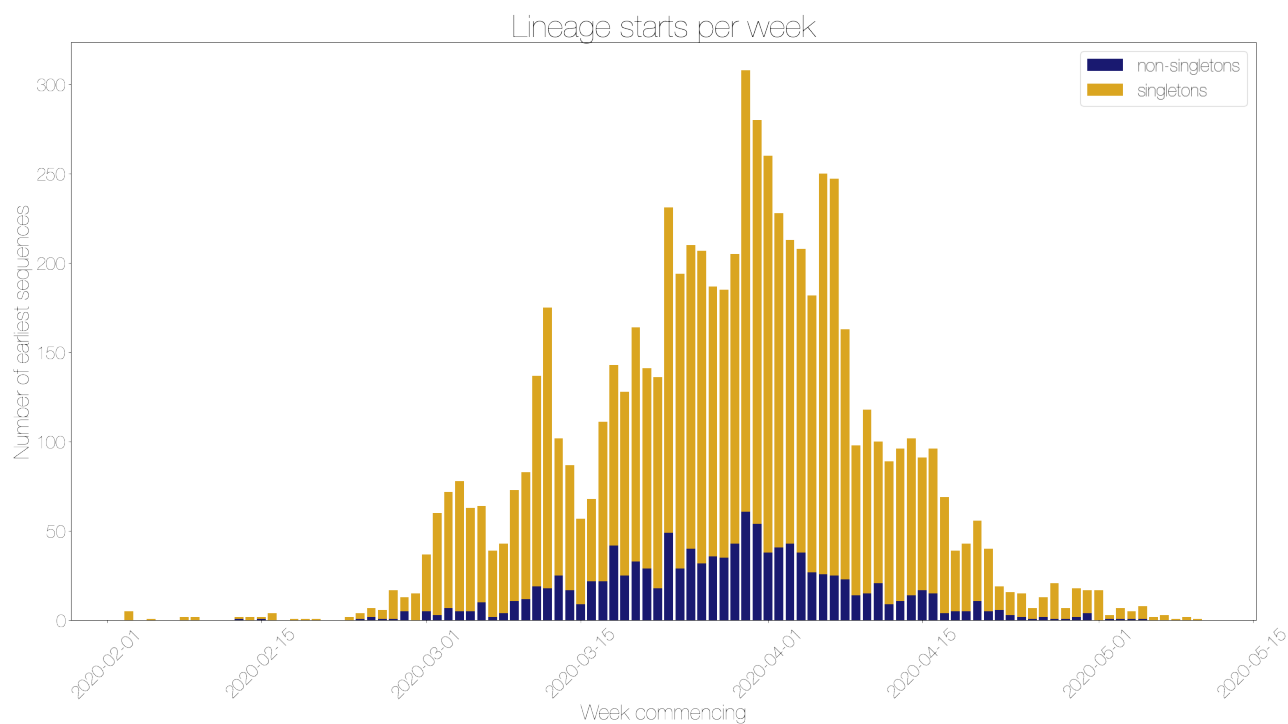


The relative growth and decline of the ten most sampled lineages in terms of number of counties they are present in is shown below. The raw data for the plot is shown below it, with each column representing a lineage, and the number of admin2 regions it is present in in each week.



	Week commencing	UK5	UK2461	UK6997	UK30	UK76	UK10	UK159	UK45	UK28	UK18
0	2020-03-01	3	0	0	0	0	1	0	0	0	0
1	2020-03-08	15	3	2	0	0	1	0	1	0	3
2	2020-03-15	15	14	2	4	3	1	1	2	1	2
3	2020-03-22	24	25	8	4	5	4	1	4	4	6
4	2020-03-29	35	28	15	13	4	12	10	5	8	10
5	2020-04-05	38	32	19	11	3	11	14	3	7	6
6	2020-04-12	27	25	9	15	4	8	8	2	8	4
7	2020-04-19	24	17	3	12	4	3	2	3	1	2
8	2020-04-26	15	8	0	6	4	0	0	1	1	0
9	2020-05-03	6	4	0	1	0	0	0	0	0	0

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



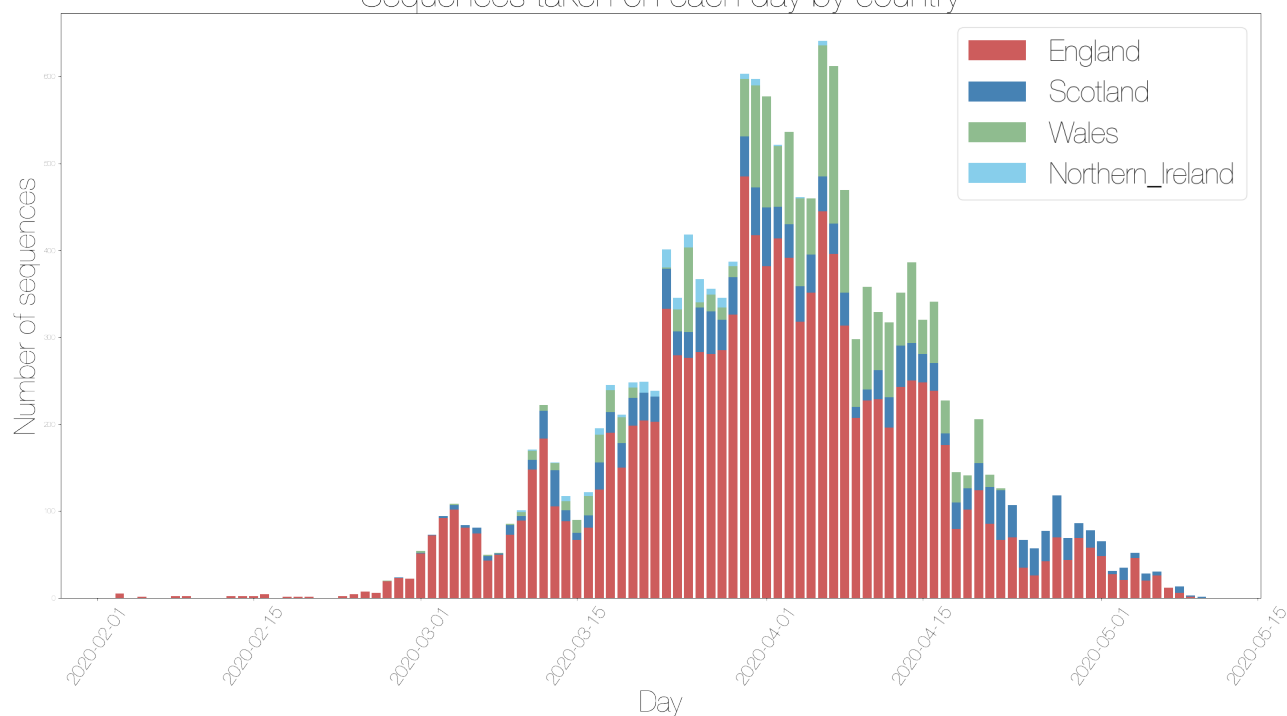
	Day	Number of singleton starts	Number of non-singleton starts	Total
0	2020-02-03	5	0	5
1	2020-02-05	1	0	1
2	2020-02-08	2	0	2
3	2020-02-09	2	0	2
4	2020-02-13	1	1	2
5	2020-02-14	2	0	2
6	2020-02-15	1	1	2
7	2020-02-16	4	0	4
8	2020-02-18	1	0	1
9	2020-02-19	1	0	1
10	2020-02-20	1	0	1
11	2020-02-23	2	0	2

	Day	Number of singleton starts	Number of non-singleton starts	Total
12	2020-02-24	3	1	4
13	2020-02-25	5	2	7
14	2020-02-26	5	1	6
15	2020-02-27	16	1	17
16	2020-02-28	8	5	13
17	2020-02-29	15	0	15
18	2020-03-01	32	5	37
19	2020-03-02	57	3	60
20	2020-03-03	65	7	72
21	2020-03-04	73	5	78
22	2020-03-05	58	5	63
23	2020-03-06	54	10	64
24	2020-03-07	37	2	39
25	2020-03-08	39	4	43
26	2020-03-09	62	11	73
27	2020-03-10	71	12	83
28	2020-03-11	118	19	137
29	2020-03-12	157	18	175
30	2020-03-13	77	25	102
31	2020-03-14	70	17	87
32	2020-03-15	48	9	57
33	2020-03-16	46	22	68
34	2020-03-17	89	22	111
35	2020-03-18	101	42	143
36	2020-03-19	103	25	128
37	2020-03-20	131	33	164
38	2020-03-21	112	29	141
39	2020-03-22	118	18	136
40	2020-03-23	182	49	231
41	2020-03-24	165	29	194
42	2020-03-25	170	40	210
43	2020-03-26	175	32	207
44	2020-03-27	151	36	187
45	2020-03-28	150	35	185
46	2020-03-29	162	43	205
47	2020-03-30	247	61	308
48	2020-03-31	226	54	280
49	2020-04-01	222	38	260
50	2020-04-02	187	41	228
51	2020-04-03	170	43	213
52	2020-04-04	170	38	208
53	2020-04-05	155	27	182
54	2020-04-06	224	26	250
55	2020-04-07	222	25	247
56	2020-04-08	140	23	163
57	2020-04-09	84	14	98
58	2020-04-10	103	15	118
59	2020-04-11	79	21	100
60	2020-04-12	80	9	89

	Day	Number of singleton starts	Number of non-singleton starts	Total
61	2020-04-13	85	11	96
62	2020-04-14	88	14	102
63	2020-04-15	74	17	91
64	2020-04-16	81	15	96
65	2020-04-17	65	4	69
66	2020-04-18	34	5	39
67	2020-04-19	38	5	43
68	2020-04-20	45	11	56
69	2020-04-21	35	5	40
70	2020-04-22	13	6	19
71	2020-04-23	13	3	16
72	2020-04-24	13	2	15
73	2020-04-25	6	1	7
74	2020-04-26	11	2	13
75	2020-04-27	20	1	21
76	2020-04-28	6	1	7
77	2020-04-29	16	2	18
78	2020-04-30	13	4	17
79	2020-05-01	17	0	17
80	2020-05-02	2	1	3
81	2020-05-03	6	1	7
82	2020-05-04	4	1	5
83	2020-05-05	7	1	8
84	2020-05-06	2	0	2
85	2020-05-07	3	0	3
86	2020-05-08	1	0	1
87	2020-05-09	2	0	2
88	2020-05-10	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.

Sequences taken on each day by country

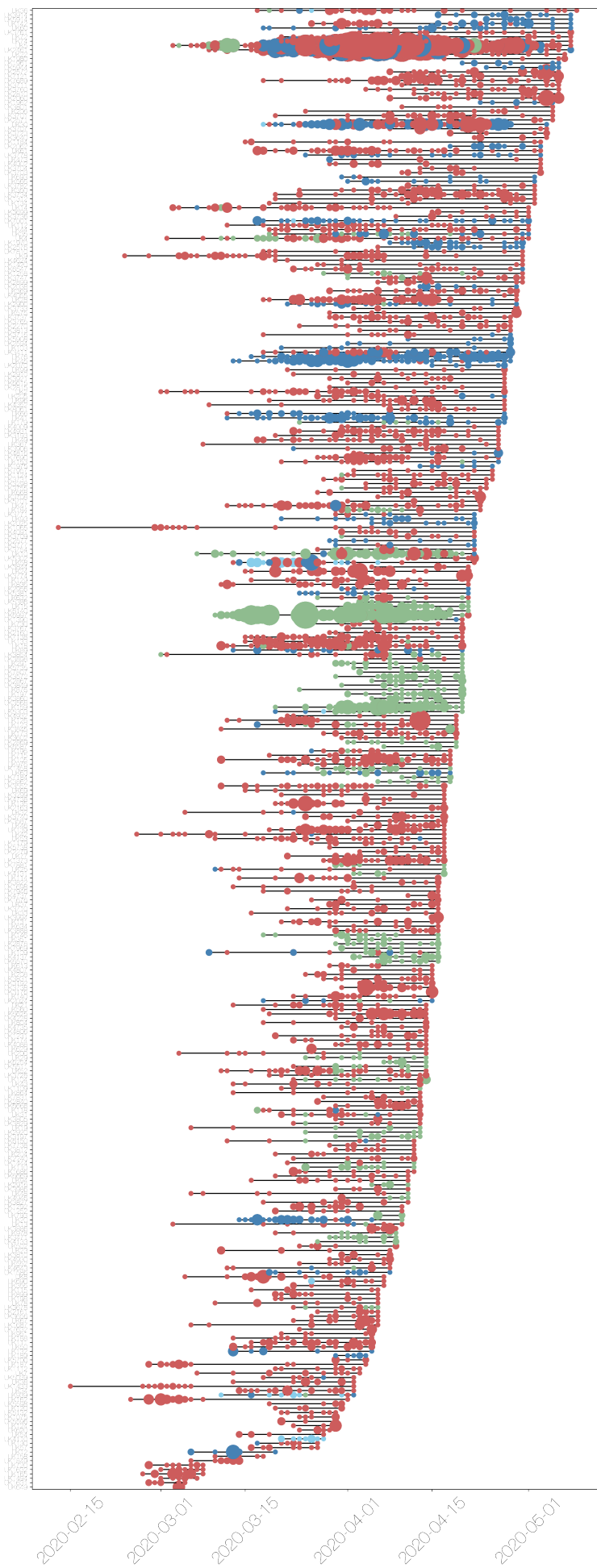


	Day	England	Scotland	Wales	Northern Ireland
0	2020-02-03	333	46	1	21
1	2020-02-05	276	30	97	15
2	2020-02-08	279	28	25	13
3	2020-02-09	285	35	14	11
4	2020-02-13	283	51	6	27
5	2020-02-14	326	43	13	5
6	2020-02-15	67	57	2	0
7	2020-02-16	26	31	0	0
8	2020-02-18	70	48	0	0
9	2020-02-19	85	43	14	0
10	2020-02-20	70	37	0	0
11	2020-02-23	69	17	0	0
12	2020-02-24	176	13	38	0
13	2020-02-25	102	24	15	0
14	2020-02-26	124	31	51	0
15	2020-02-27	248	33	39	0
16	2020-02-28	48	17	0	0
17	2020-02-29	27	4	0	0
18	2020-03-01	196	35	86	0
19	2020-03-02	20	8	0	0
20	2020-03-03	250	43	93	0
21	2020-03-04	238	32	71	0
22	2020-03-05	79	31	35	0
23	2020-03-06	243	47	61	0
24	2020-03-07	396	35	181	0
25	2020-03-08	445	40	151	5
26	2020-03-09	46	6	0	0
27	2020-03-10	26	4	0	0

	Day	England	Scotland	Wales	Northern Ireland
28	2020-03-11	58	20	0	0
29	2020-03-12	21	14	0	0
30	2020-03-13	414	36	70	1
31	2020-03-14	229	33	67	0
32	2020-03-15	417	55	118	7
33	2020-03-16	313	38	118	0
34	2020-03-17	351	44	65	0
35	2020-03-18	227	13	118	0
36	2020-03-19	207	13	78	0
37	2020-03-20	12	0	0	0
38	2020-03-21	1	2	0	0
39	2020-03-22	6	7	0	0
40	2020-03-23	485	46	66	6
41	2020-03-24	35	32	0	0
42	2020-03-25	0	1	0	0
43	2020-03-26	42	35	0	0
44	2020-03-27	44	25	0	0
45	2020-03-28	318	41	101	1
46	2020-03-29	281	49	19	7
47	2020-03-30	204	32	0	13
48	2020-03-31	382	67	128	0
49	2020-04-01	391	39	106	0
50	2020-04-02	198	32	12	6
51	2020-04-03	203	29	0	6
52	2020-04-04	190	24	25	6
53	2020-04-05	150	28	30	3
54	2020-04-06	88	13	10	6
55	2020-04-07	89	5	5	2
56	2020-04-08	148	11	10	2
57	2020-04-09	105	42	8	1
58	2020-04-10	4	0	0	0
59	2020-04-11	183	32	7	0
60	2020-04-12	125	31	32	7
61	2020-04-13	50	1	1	0
62	2020-04-14	102	5	1	0
63	2020-04-15	51	1	2	0
64	2020-04-16	43	5	2	0
65	2020-04-17	92	2	0	0
66	2020-04-18	81	3	0	0
67	2020-04-19	6	0	0	0
68	2020-04-20	23	1	0	0
69	2020-04-21	19	0	1	0
70	2020-04-22	22	0	0	0
71	2020-04-23	1	0	0	0
72	2020-04-24	2	0	0	0
73	2020-04-25	1	0	0	0
74	2020-04-26	1	0	0	0
75	2020-04-27	7	0	0	0
76	2020-04-28	4	0	0	0

	Day	England	Scotland	Wales	Northern Ireland
77	2020-04-29	2	0	0	0
78	2020-04-30	81	14	22	5
79	2020-05-01	72	1	0	0
80	2020-05-02	5	0	0	0
81	2020-05-03	2	0	0	0
82	2020-05-04	2	0	0	0
83	2020-05-05	74	7	0	0
84	2020-05-06	73	11	1	0
85	2020-05-07	67	8	15	0
86	2020-05-08	2	0	0	0
87	2020-05-09	2	0	0	0
88	2020-05-10	1	0	0	0

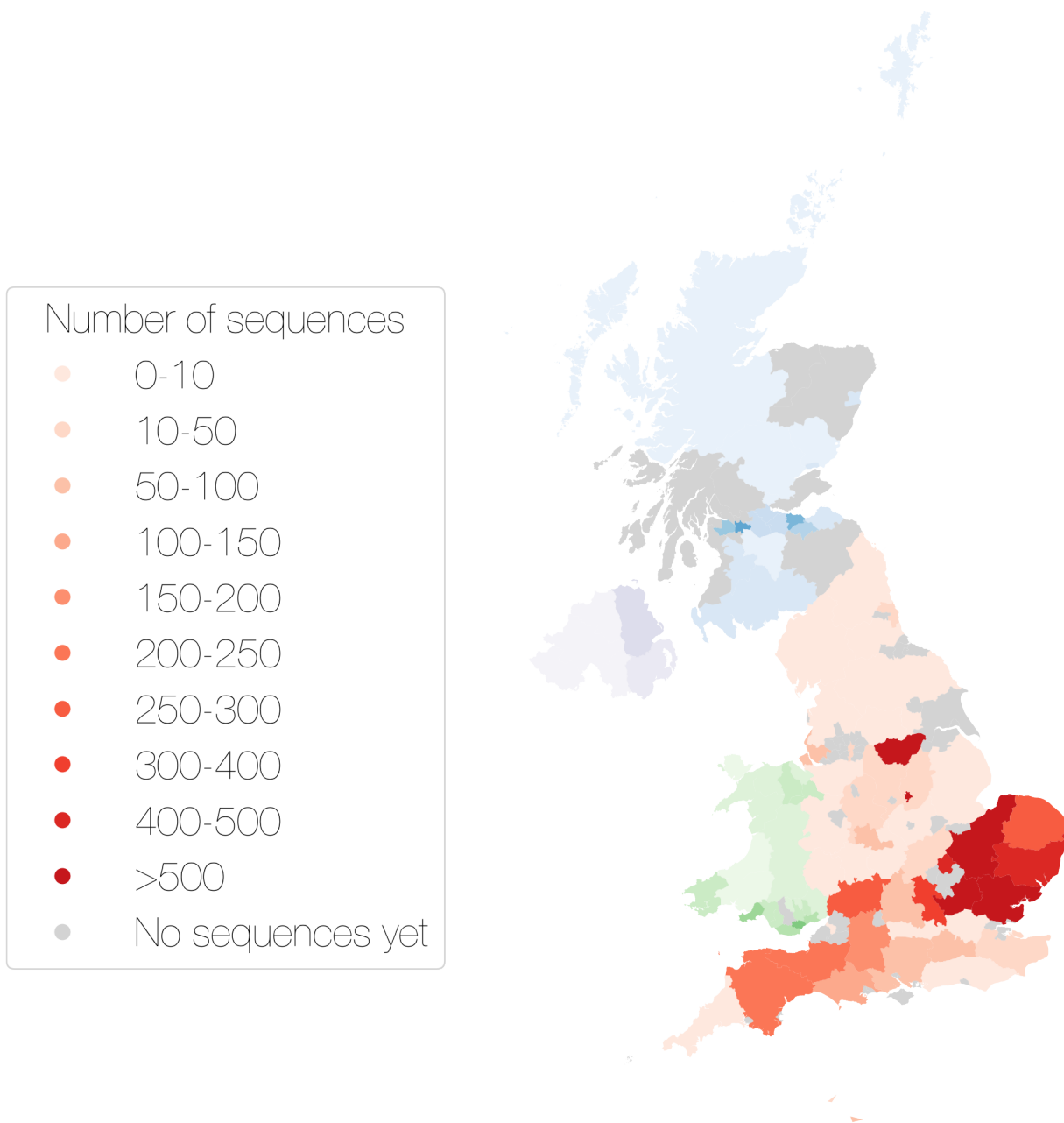
These lineages are shown on the timeline below. Each line represents the length of the cluster, from oldest to most recent sampling date. The dots are sized by the number of sequences taken on that date, and again are colour coded by country. The raw data has been written to a summary file.



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.

```
-----KeyError Traceback (most recent call last) in 5 in-
put_geojsons = [uk_json, channels, NI_json] 6 --> 7 new_uncleans, mapping_data = map.make_map(input_geojsons,
adm2_cleaning_file, metadata_file, output_directory, week) ~/anaconda3/envs/report/lib/python3.7/site-
packages/UK_full_report/utils/mapping.py in make_map(input_geojsons, adm2_cleaning_file, metadata_file,
overall_output_dir, week) 391 392 --> 393 new_unclean_locs = find_new_locs_cleaning(metadata_file, map-
ping_dictionary, all_uk, output_dir) 394 395 return new_unclean_locs, cleaned ~/anaconda3/envs/report/lib/python3.7/site-
packages/UK_full_report/utils/mapping.py in find_new_locs_cleaning(metadata, mapping_dictionary,
all_uk, output_dir) 325 if sequence['country'] == "UK": 326 adm2 = sequence['adm2'] --> 327 country =
sequence['adm1'].split("-")[1] 328 329 if adm2 not in present_locs and adm2 not in mapping_dictionary.keys()
and adm2 != "WALES" and adm2 != "" and adm2 != "OTHER" and adm2 != "UNKNOWN" and adm2 !=
"GIBRALTAR" and adm2 != "UNKNOWN SOURCE": KeyError: 'adm1'
```

COVID-19 sequences from each Admin2 region UK



```
-----NameError Traceback (most recent call last) in --> 1
print(mapping_data.to_markdown()) NameError: name 'mapping_data' is not defined
```

```
-----NameError Traceback (most recent call last) in -->
1 if new_uncleans: 2 print("There are some sequences with locations that are not matched to real Admin2
regions, some manual curation required.") NameError: name 'new_uncleans' is not defined
```

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.

