

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, B.2.1	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, B.2.1	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, B.2.1	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, B.2.1	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, B.2.1	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, B.2.1	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, B.2.2	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, B.2.1	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

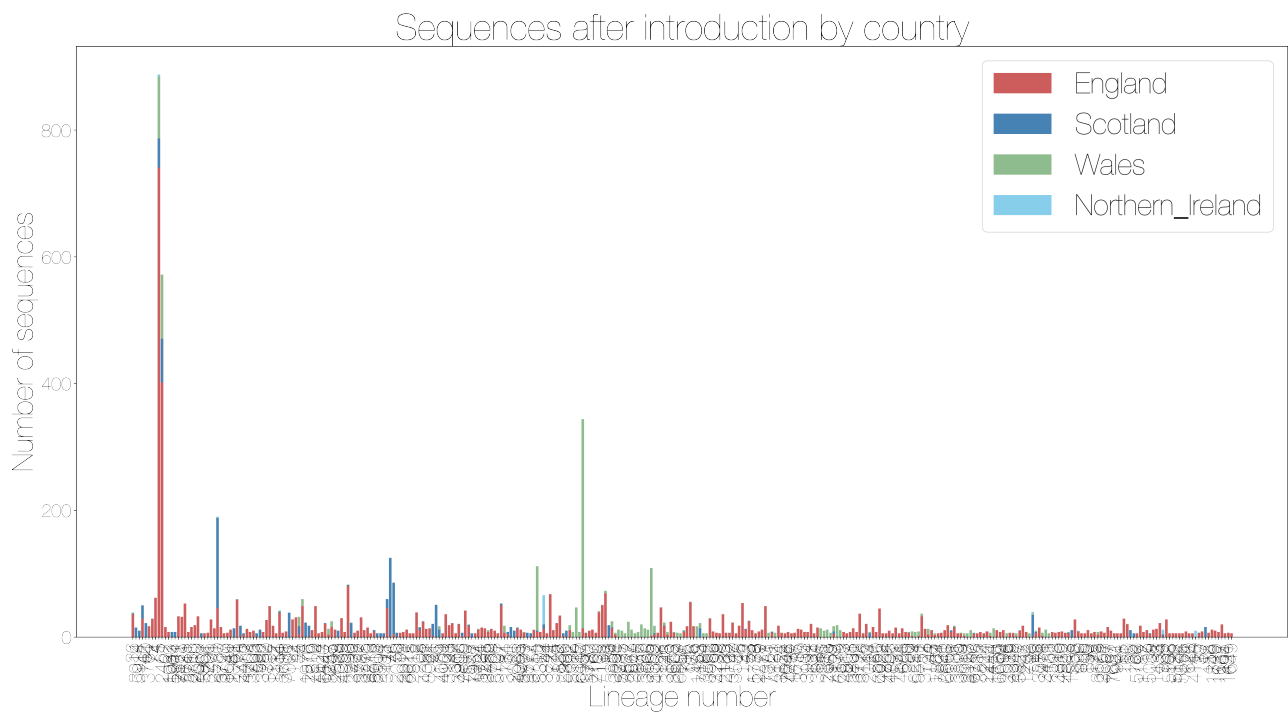
Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK3176	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-15, Apr-15	6	B.1	25
UK6615	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Apr-01, Apr-27	6	B.1	13
UK1494	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-01, Mar-07	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, B.2.1	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, B.2.1	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, B.2.1	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

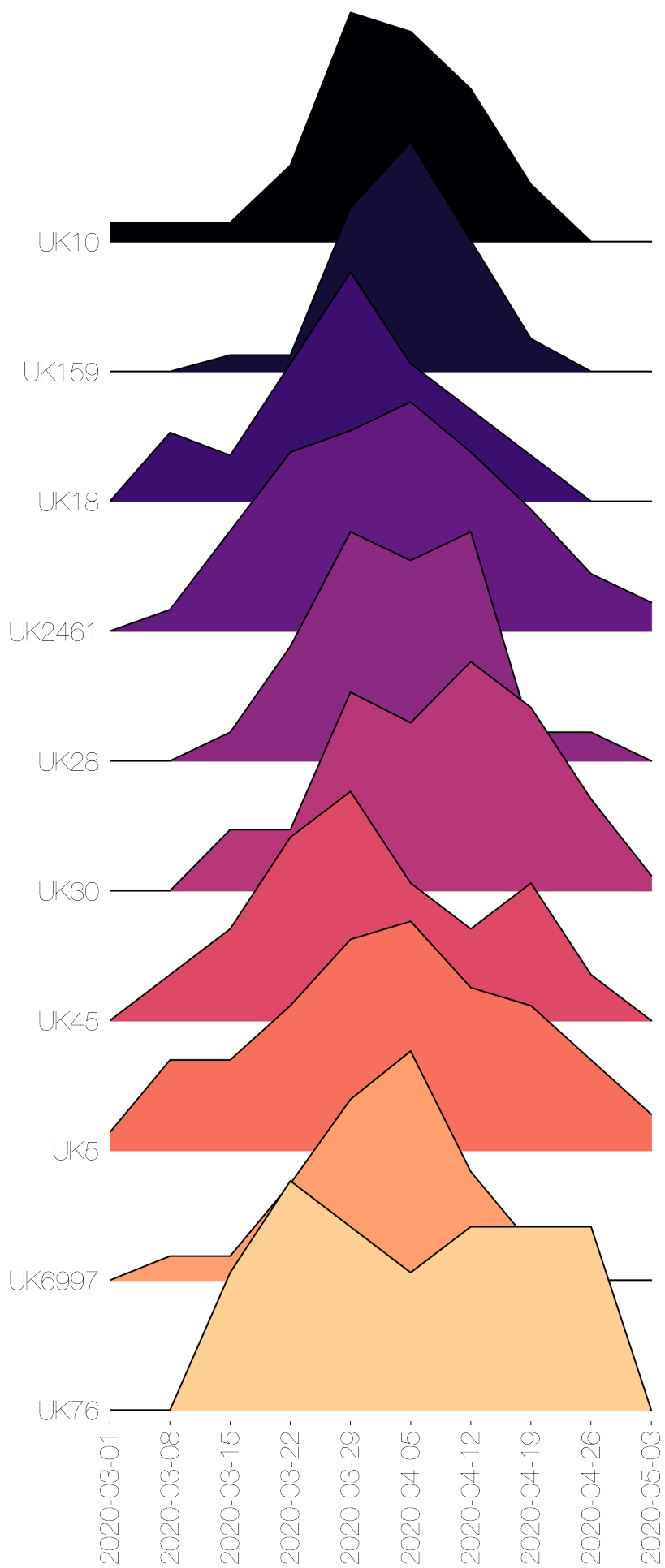
Lineage name	Northern Ireland	England	Scotland	Wales	Date range	Total sequences	Global lineage	Time since last sample (days)
UK7807	0 (0%)	0 (0%)	0 (0%)	6 (100.0%)	Apr-03, Apr-20	6	B.1.10	20
UK951	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-21, Apr-05	6	B.1	35
UK620	0 (0%)	6 (100.0%)	0 (0%)	0 (0%)	Mar-24, Mar-29	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.

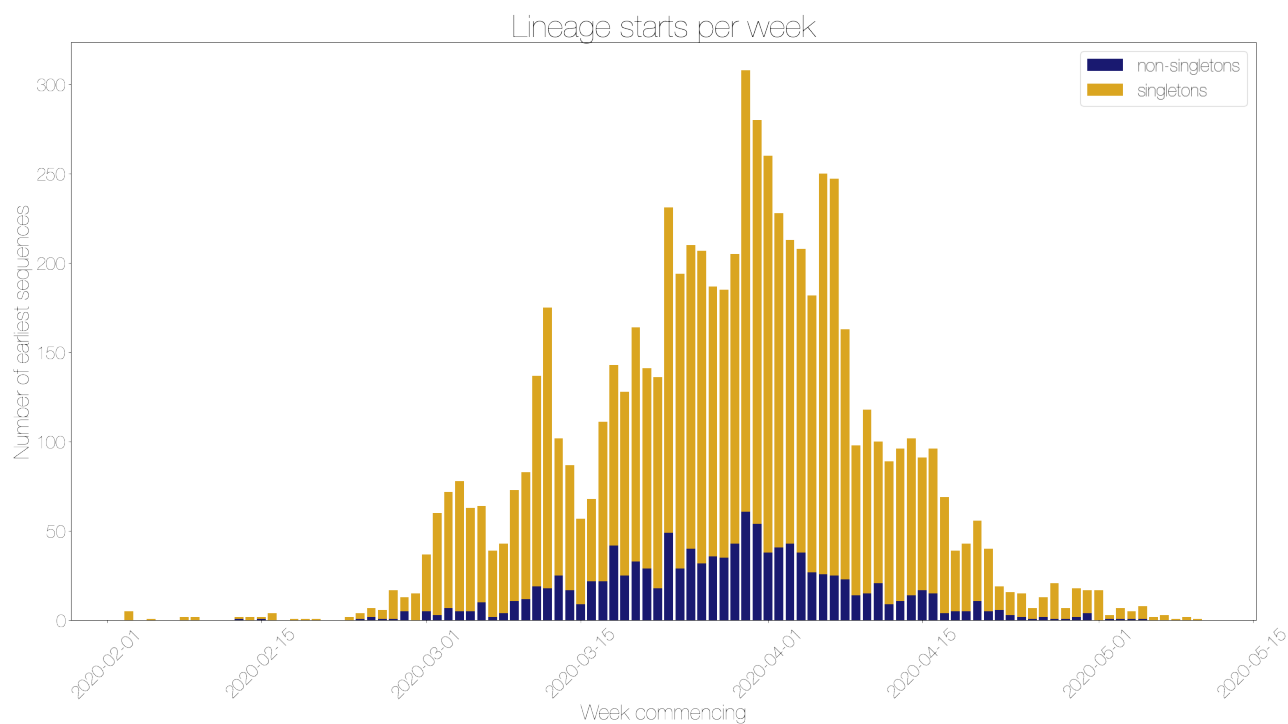


The relative growth and decline of the ten most sampled lineages in terms of number of counties they are present in is shown below. The raw data for the plot is shown below it, with each column representing a lineage, and the number of admin2 regions it is present in in each week.



	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.



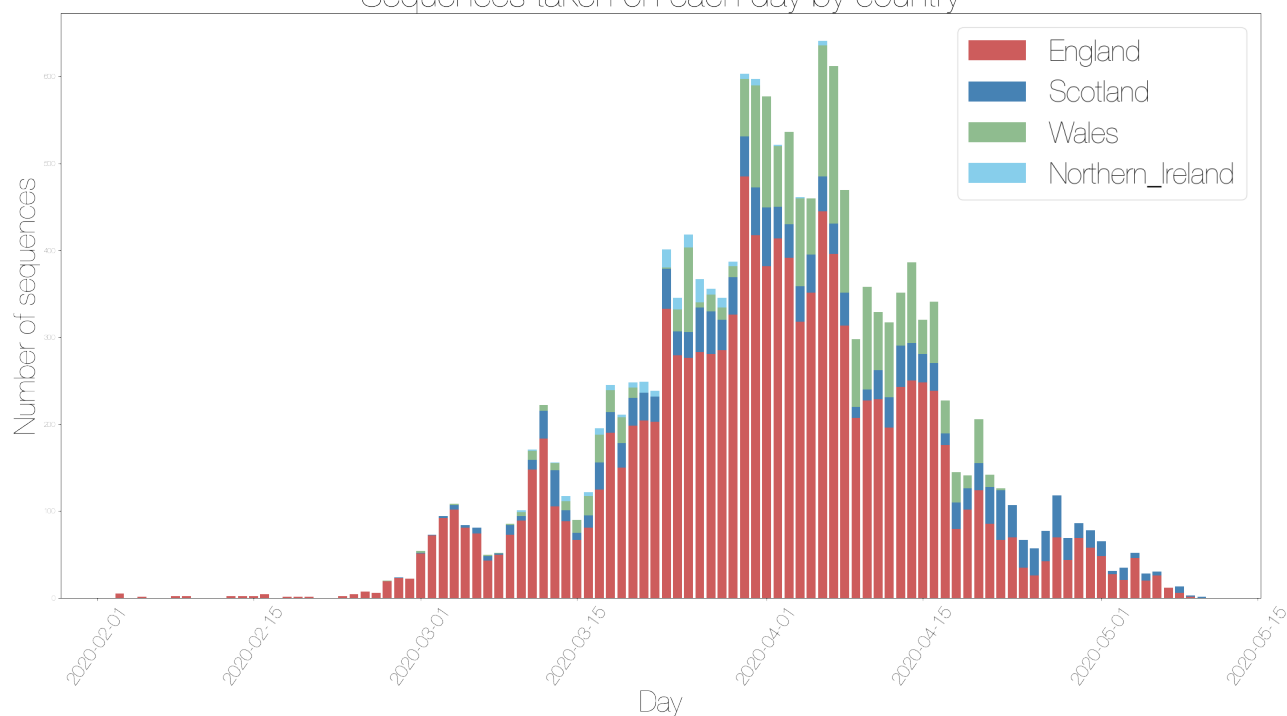
	Day	Number of singleton starts	Number of non-singleton starts	Total
0	2020-02-03	5	0	5
1	2020-02-05	1	0	1
2	2020-02-08	2	0	2
3	2020-02-09	2	0	2
4	2020-02-13	1	1	2
5	2020-02-14	2	0	2
6	2020-02-15	1	1	2
7	2020-02-16	4	0	4
8	2020-02-18	1	0	1
9	2020-02-19	1	0	1
10	2020-02-20	1	0	1
11	2020-02-23	2	0	2

	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

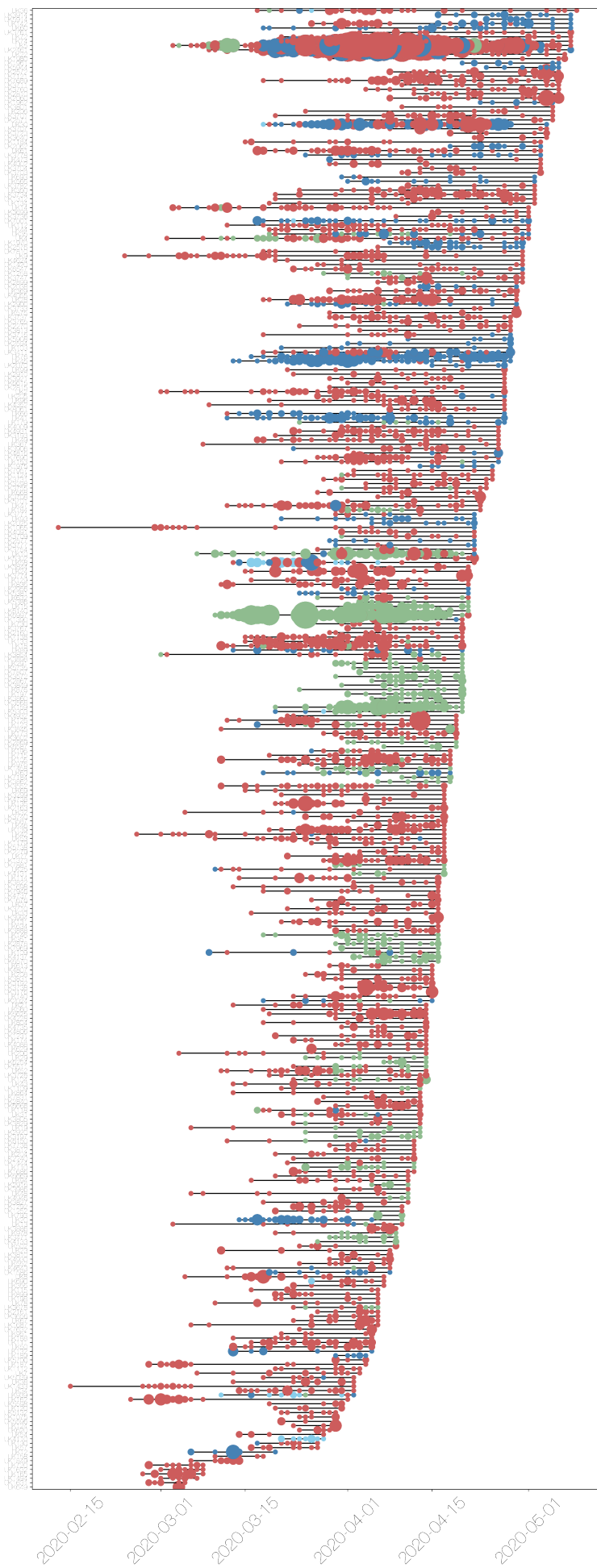


	Day	England	Scotland	Wales	Northern Ireland
0	2020-02-03	333	46	1	21
1	2020-02-05	276	30	97	15
2	2020-02-08	279	28	25	13
3	2020-02-09	285	35	14	11
4	2020-02-13	283	51	6	27
5	2020-02-14	326	43	13	5
6	2020-02-15	67	57	2	0
7	2020-02-16	26	31	0	0
8	2020-02-18	70	48	0	0
9	2020-02-19	85	43	14	0
10	2020-02-20	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

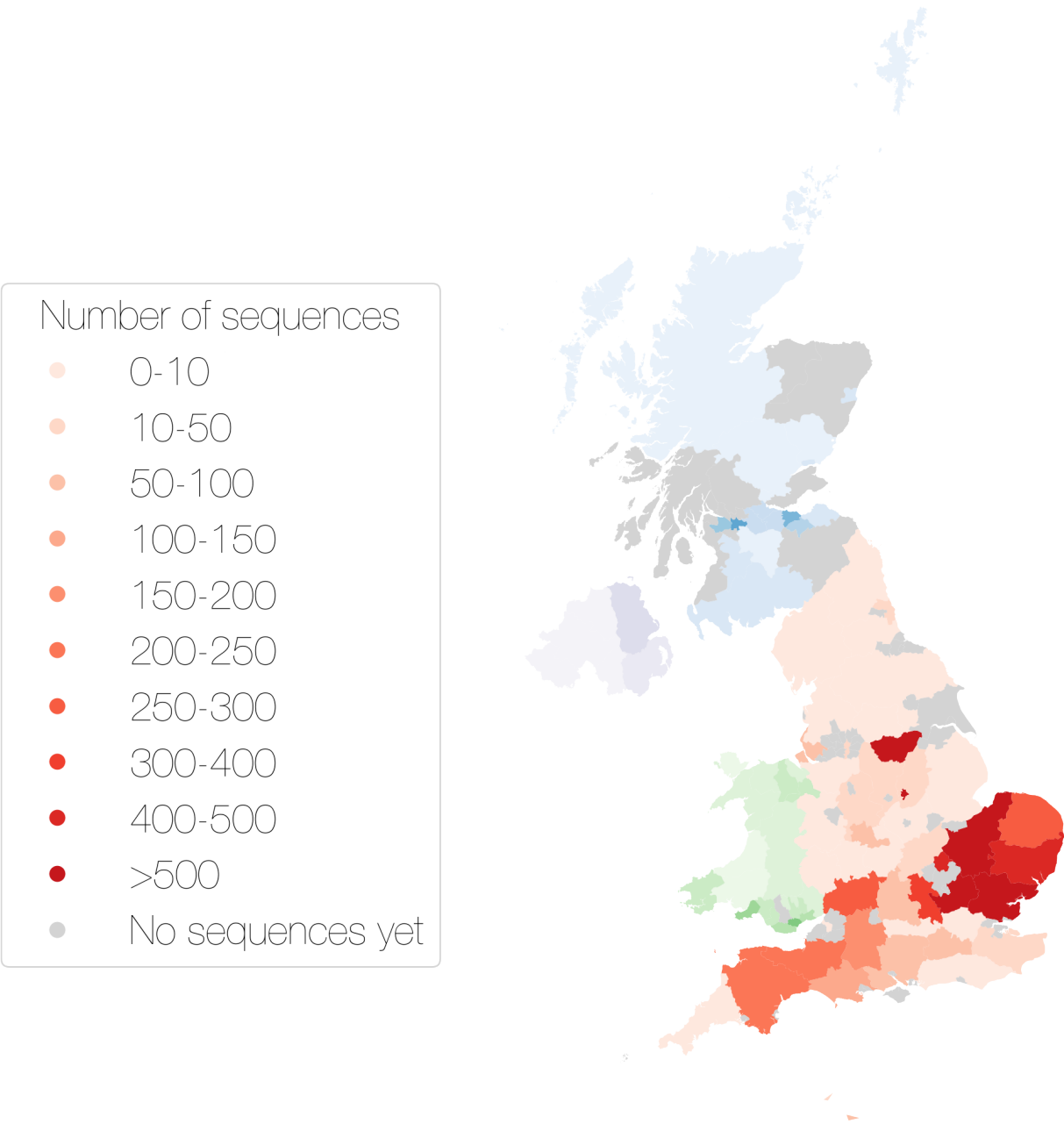
	Day	England	Scotland	Wales	Northern Ireland
77	2020-04-29	2	0	0	0
78	2020-04-30	81	14	22	5
79	2020-05-01	72	1	0	0
80	2020-05-02	5	0	0	0
81	2020-05-03	2	0	0	0
82	2020-05-04	2	0	0	0
83	2020-05-05	74	7	0	0
84	2020-05-06	73	11	1	0
85	2020-05-07	67	8	15	0
86	2020-05-08	2	0	0	0
87	2020-05-09	2	0	0	0
88	2020-05-10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

COVID-19 sequences from each Admin2 region UK



	Admin2	Country	Number of sequences	Sequence group
0	ABERDEEN	Scotland	21	10-50
1	ABERDEENSHIRE	Scotland	0	0

	Admin2	Country	Number of sequences	Sequence group
2	ANGUS	Scotland	10	1-10
3	ANTRIM	Northern Ireland	95	50-100
5	ARGYLL AND BUTE	Scotland	0	0
6	ARMAGH	Northern Ireland	11	1-10
8	BATH AND NORTH EAST SOMERSET	England	0	0
9	BEDFORDSHIRE	England	444	400-500
11	BERKSHIRE	England	7	1-10
12	BLACKBURN WITH DARWEN	England	0	0
13	BLACKPOOL	England	0	0
14	BLAENAU GWENT	Wales	40	10-50
15	BOLTON	England	0	0
16	BORDERS	Scotland	0	0
17	BOURNEMOUTH	England	0	0
18	BRIDGEND	Wales	78	50-100
19	BRIGHTON AND HOVE	England	0	0
20	BRISTOL	England	18	1-10
21	BUCKINGHAMSHIRE	England	338	300-400
22	BURY	England	0	0
23	CAERPHILLY	Wales	85	50-100
24	CAMARTHENSHIRE	Wales	1	1-10
25	CAMBRIDGESHIRE	England	627	>500
26	CARDIFF	Wales	298	250-300
28	CENTRAL BEDFORDSHIRE	England	0	0
29	CEREDIGION	Wales	16	1-10
30	CHESHIRE	England	8	1-10
31	CITY OF LONDON	England	16	1-10
32	CLACKMANNANSHIRE	Scotland	1	1-10
33	CONWY	Wales	34	10-50
34	CORNWALL	England	12	1-10
35	COUNTY DURHAM	England	1	1-10
36	CUMBRIA	England	8	1-10
37	DARLINGTON	England	0	0
38	DENBIGHSHIRE	Wales	53	50-100
39	DERBY	England	0	0
40	DERBYSHIRE	England	25	10-50
42	DEVON	England	207	200-250
43	DORSET	England	141	100-150
44	DOWN	Northern Ireland	46	10-50
45	DUMFRIES AND GALLOWAY	Scotland	33	10-50
46	DUNDEE	Scotland	48	10-50
47	EAST DUNBARTONSHIRE	Scotland	0	0
48	EAST LoTHIAN	Scotland	49	10-50
49	EAST RENFREWSHIRE	Scotland	0	0
50	EAST YORKSHIRE	England	0	0
51	EDINBURGH	Scotland	374	300-400
52	ESSEX	England	1102	>500
53	FALKIRK	Scotland	61	50-100
54	FERMANAGH	Northern Ireland	3	1-10
56	FLINTSHIRE	Wales	44	10-50

	Admin2	Country	Number of sequences	Sequence group
57	GATESHEAD	England	0	0
58	GLASGOW	Scotland	544	>500
59	GLOUCESTERSHIRE	England	256	250-300
60	GREATER MANCHESTER	England	29	10-50
61	GUERNSEY	Channel_islands	41	10-50
62	GWYNEDD	Wales	32	10-50
63	HALTON	England	0	0
64	HAMPSHIRE	England	61	50-100
65	HARTLEPOOL	England	0	0
66	HEREFORDSHIRE	England	1	1-10
67	HERTFORDSHIRE	England	843	>500
68	INVERCLYDE	Scotland	0	0
69	INVERNESS	Scotland	9	1-10
70	ISLE OF ANGLESEY	Wales	15	1-10
71	ISLE OF WIGHT	England	0	0
72	ISLES OF SCILLY	England	0	0
73	JERSEY	Channel_islands	77	50-100
74	KENT	England	27	10-50
75	KILMARNOCK	Scotland	35	10-50
76	KINGSTON UPON HULL	England	0	0
77	KIRKALDY	Scotland	0	0
78	KIRKWALL	Scotland	1	1-10
79	LANCASHIRE	England	6	1-10
80	LEICESTER	England	0	0
81	LEICESTERSHIRE	England	5	1-10
82	LINCOLNSHIRE	England	7	1-10
84	LONDONDERRY	Northern Ireland	10	1-10
85	LUTON	England	0	0
86	MEDWAY	England	0	0
87	MERSEYSIDE	England	59	50-100
88	MERTHYR TYDFIL	Wales	34	10-50
91	MIDDLESBROUGH	England	0	0
92	MIDLOTHIAN	Scotland	113	100-150
93	MILTON KEYNES	England	0	0
94	MONMOUTHSHIRE	Wales	42	10-50
95	MORAY	Scotland	0	0
96	MOTHERWELL	Scotland	97	50-100
97	NEATH PORT TALBOT	Wales	74	50-100
98	NEWPORT	Wales	105	100-150
100	NORFOLK	England	257	250-300
101	NORTH AYRSHIRE	Scotland	0	0
103	NORTH LINCOLNSHIRE	England	0	0
104	NORTH SOMERSET	England	0	0
105	NORTH YORKSHIRE	England	4	1-10
106	NORTHAMPTONSHIRE	England	22	10-50
107	NORTHUMBERLAND	England	2	1-10
108	NOTTINGHAM	England	520	>500
109	OLDHAM	England	0	0
110	OUTER HEBRIDES	Scotland	2	1-10

	Admin2	Country	Number of sequences	Sequence group
111	OXFORDSHIRE	England	92	50-100
112	PAISLEY	Scotland	152	150-200
113	PEMBROKESHIRE	Wales	53	50-100
114	PERTH	Scotland	2	1-10
115	PETERBOROUGH	England	0	0
116	PLYMOUTH	England	0	0
117	POOLE	England	0	0
118	PORTSMOUTH	England	0	0
119	POWYS	Wales	31	10-50
120	REDCAR AND CLEVELAND	England	0	0
121	RHONDDA, CYNON, TAFF	Wales	0	0
122	ROCHDALE	England	0	0
123	RUTLAND	England	0	0
124	SALFORD	England	0	0
125	SHETLAND	Scotland	14	1-10
126	SHROPSHIRE	England	1	1-10
127	SOMERSET	England	233	200-250
128	SOUTH AYRSHIRE	Scotland	0	0
129	SOUTH GLOUCESTERSHIRE	England	0	0
130	SOUTH LANARKSHIRE	Scotland	3	1-10
131	SOUTH YORKSHIRE	England	971	>500
132	SOUTHAMPTON	England	0	0
133	SOUTHEND-ON-SEA	England	0	0
134	STAFFORDSHIRE	England	24	10-50
135	STIRLING	Scotland	0	0
136	STOCKPORT	England	0	0
137	STOCKTON-ON-TEES	England	0	0
138	STOKE-ON-TRENT	England	0	0
139	SUFFOLK	England	407	400-500
140	SURREY	England	56	50-100
141	SUSSEX	England	1	1-10
142	SUTTON-IN-ASHFIELD	England	43	10-50
143	SWANSEA	Wales	174	150-200
144	SWINDON	England	0	0
145	TAMESIDE	England	0	0
146	TELFORD AND WREKIN	England	0	0
147	THURROCK	England	0	0
148	TORBAY	England	0	0
149	TORFAEN	Wales	68	50-100
150	TRAFFORD	England	0	0
151	TYNE AND WEAR	England	37	10-50
152	TYRONE	Northern Ireland	11	1-10
153	VALE OF GLAMORGAN	Wales	106	100-150
154	WARRINGTON	England	0	0
155	WARWICKSHIRE	England	9	1-10
156	WEST DUNBARTONSHIRE	Scotland	0	0
157	WEST LoTHIAN	Scotland	82	50-100
158	WEST MIDLANDS	England	71	50-100
159	WEST YORKSHIRE	England	19	1-10

	Admin2	Country	Number of sequences	Sequence group
160	WIGAN	England	0	0
161	WILTSHIRE	England	154	150-200
162	WORCESTERSHIRE	England	7	1-10
163	WREXHAM	Wales	51	50-100
164	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.

