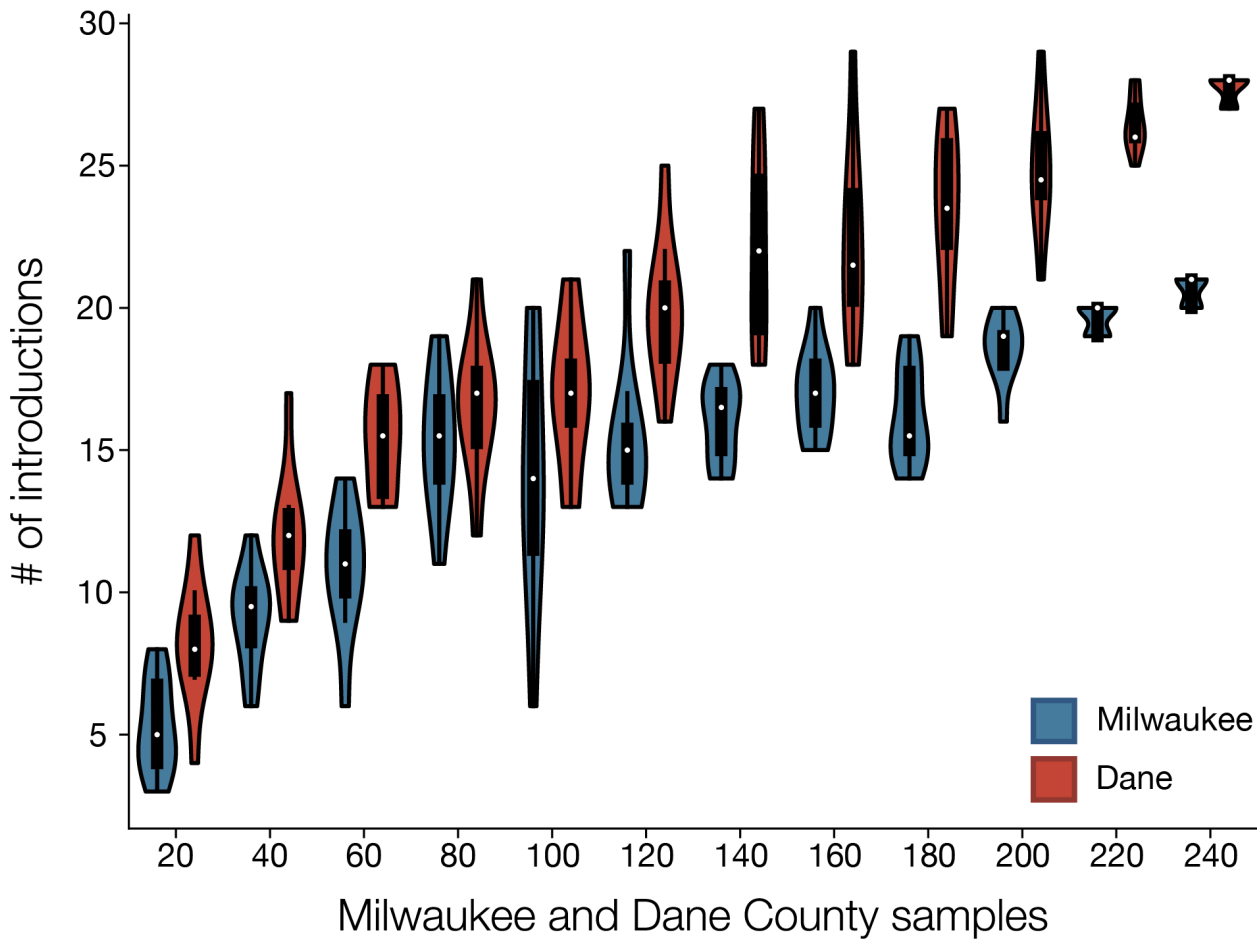
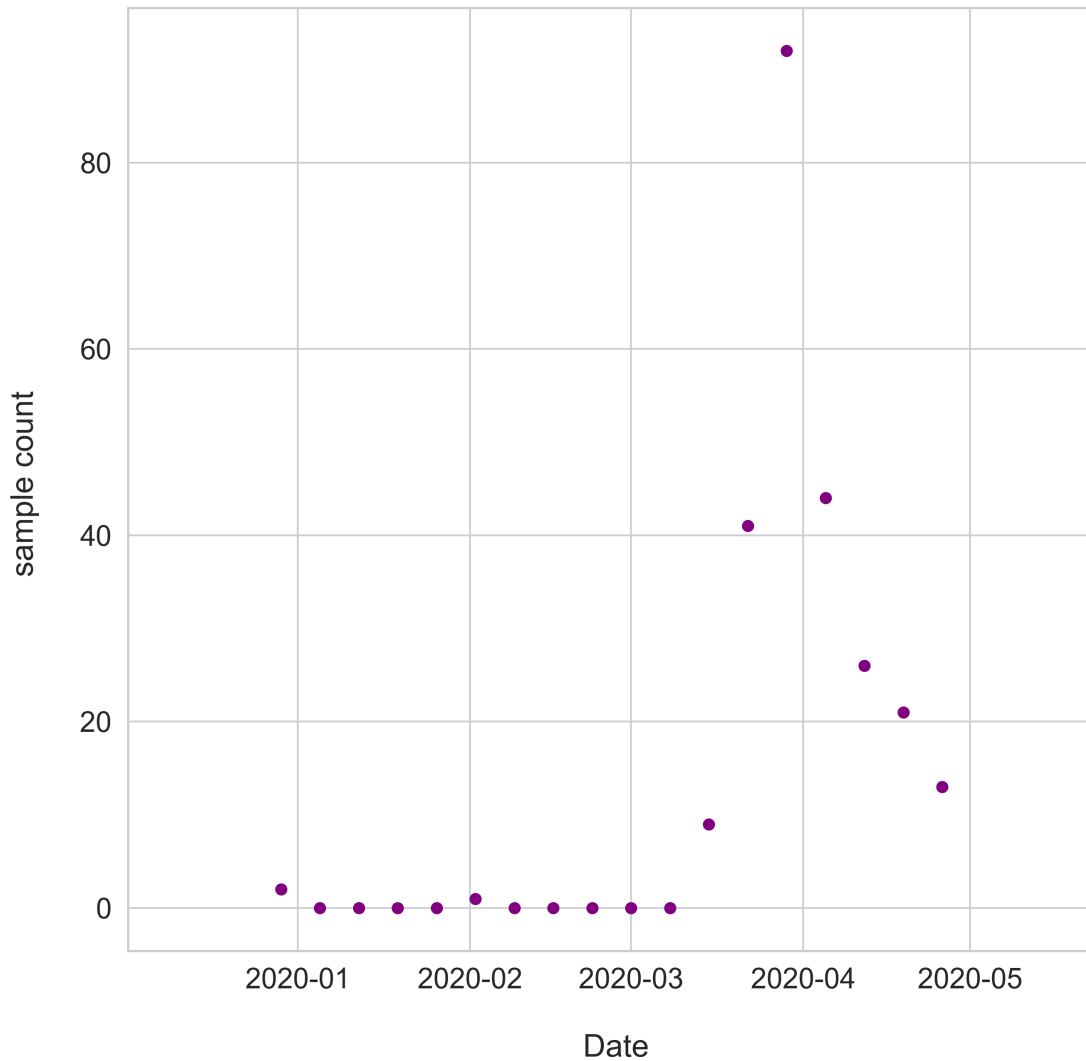


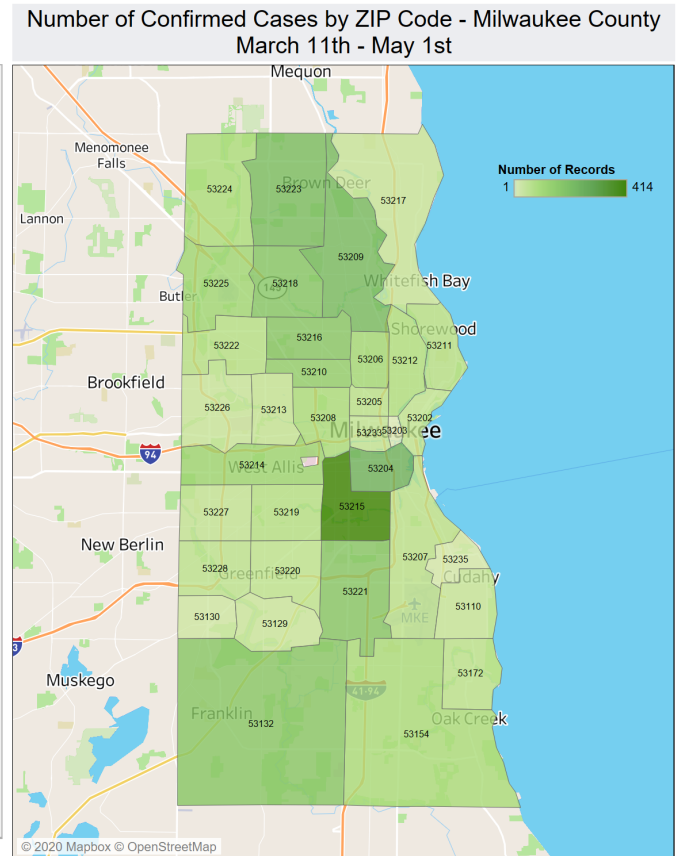
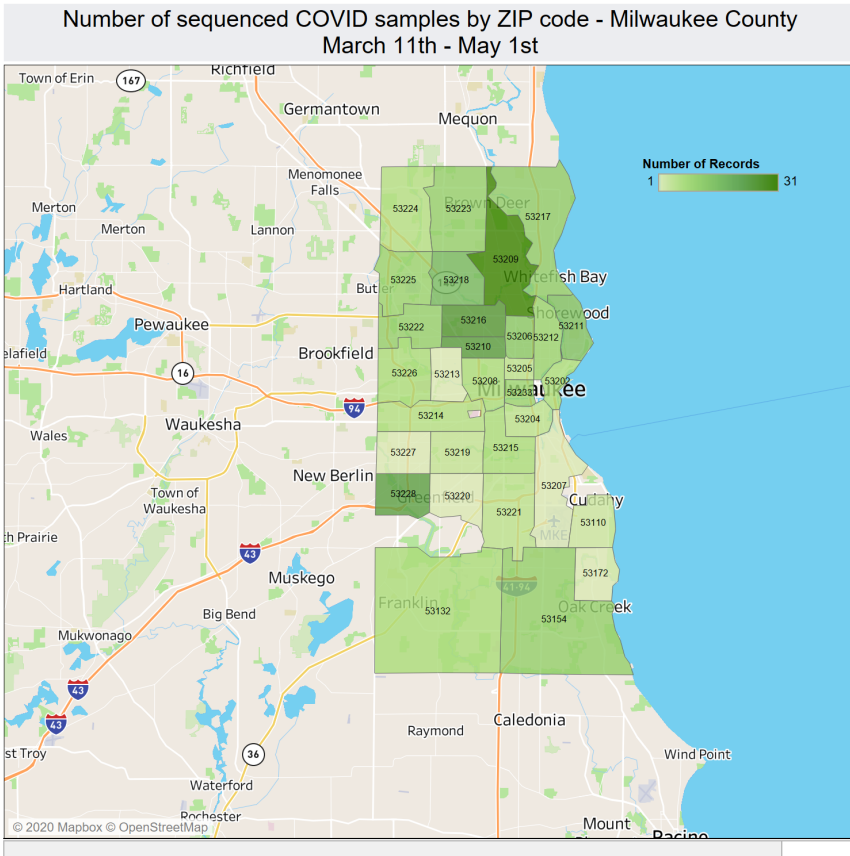
Supplementary Figure 1. Diagnostic deletion in the index Dane County sample
 Consensus-level deletion identified in the Dane County index sample. Zoomed in panel shows nucleotide and amino acid identities of the in-frame deletion.



Supplementary Figure 2. Sampling sensitivity of estimates for the number of introductions into Dane and Milwaukee Counties. Estimates of the number of introductions into Dane and Milwaukee Counties using a time aligned maximum likelihood phylogeny. N sequences (x-axis) were randomly sampled from the available Dane and Milwaukee County samples and the remaining were pruned from the tree. Ten replicates of each N were conducted and the number of introductions (y-axis) was estimated for each. For each number of Milwaukee and Dane County samples, the kernel density estimate of the underlying distribution of the number of introductions is shown. The bandwidth is calculated using Scott's rule and the distribution is only shown over the range of observed values 76 Internal boxes (black) represent the interquartile range (IQR, 25th to 75th percentile) of the distribution and the median is represented by a white dot. Whiskers extend to the range of data that are not more than 1.5 times the IQR above the upper or below the lower quartile. Source data to replicate this figure can be found in the Source Data file.



Supplementary Figure 3. Temporal distribution of SARS-CoV-2 samples. The total count of samples collected (y-axis) during 1-week intervals (x-axis) from the first documented Wisconsin case through 18 April, 2020. Weeks with no confirmed cases within the defined study period are also shown here as indicated by data points at $y=0$. Source data to replicate this figure can be found in the Source Data file. Code to recreate this figure can be found in the GitHub repository – ``data_raw/supplementary_figure_3.ipynb``.



Supplementary Figure 4. Geographic distribution of Milwaukee County sequences (left) compared to test positive cases (right) by zip code. Case count data were collated using the Wisconsin Electronic Disease Surveillance System (WEDSS) and data were sorted and plotted using Tableau (<https://www.tableau.com/>) to create counts and color gradients by ZIP code.

| Division | Number of sequences | Number of positive SARS-CoV-2 cases | Percent sequenced (%) |
|-------------------------------|---------------------|-------------------------------------|-----------------------|
| England | 23212 | 265,849 | 8.73 |
| Wales | 5425 | 17389 | 31.2 |
| Scotland | 5121 | 18847 | 27.17 |
| Washington | 3957 | 55600 | 7.12 |
| California | 2189 | 500600 | 0.44 |
| Victoria | 1522 | 13469 | 11.3 |
| New York | 1505 | 411600 | 0.37 |
| Michigan | 1069 | 86200 | 1.24 |
| Wisconsin | 963 | 52900 | 1.82 |
| Louisiana | 786 | 116300 | 0.68 |
| Singapore | 770 | 54555 | 1.41 |
| Denmark | 735 | 14306 | 5.14 |
| Northern Ireland | 717 | 6049 | 11.85 |
| Netherlands | 692 | 56381 | 1.23 |
| Utah | 688 | 32400 | 2.12 |
| New South Wales | 656 | 3832 | 17.12 |
| Portugal | 642 | 52061 | 1.23 |
| British Columbia | 604 | 3834 | 15.75 |
| Reykjavik | 601 | 1932 | 31.11 |
| Florida | 560 | 469800 | 0.12 |
| Basque Country | 559 | 15634 | 3.58 |
| Minnesota | 545 | 54300 | 1 |
| Virginia | 522 | 89900 | 0.58 |
| Gujarat | 447 | 66777 | 0.67 |
| Massachusetts | 418 | 117200 | 0.36 |
| Dane County - April 26th | 122 | 405 | 30.12 |
| Milwaukee County - April 26th | 125 | 2629 | 4.75 |

Supplemental Table 1. SARS-CoV-2 sequencing depth per admin division. Admin division is defined as the state or country. Percent sequenced (%) is calculated as the number of consensus sequences over the number of documented positive SARS-CoV-2 cases across a variety of geographic locations as of July 31, 2020. The number of sequences per geographic location were obtained on GISAID by downloading the NextMeta file and filtering on the 'Admin Division' search field. We compared the sequencing depth to the sequencing depth obtained by our study (indicated by '- April 26th') to highlight that we are one of the top 25 deepest sequenced divisions.

| Location | Number of sequences | Number of positive SARS-CoV-2 cases | Percent sequenced (%) |
|--|---------------------|-------------------------------------|-----------------------|
| Yakima County | 1704 | 9971 | 17.09 |
| San Diego | 702 | 29577 | 2.37 |
| Sydney | 543 | 3809 | 14.26 |
| East Baton Rouge Parish | 424 | 11263 | 3.76 |
| Manhattan | 419 | 222522 | 0.19 |
| Brooklyn | 373 | 61948 | 0.6 |
| Valencia | 343 | 12999 | 2.64 |
| Dane County | 334 | 4145 | 8.06 |
| King County | 322 | 15946 | 2.02 |
| Greater Houston Area | 320 | 80914 | 0.4 |
| Santa Clara County | 313 | 11128 | 2.81 |
| Donostia-San Sebastian & Vitoria-Gasteiz | 535 | 15634 | 3.42 |
| Wuhan | 257 | 68138 | 0.38 |
| Nassau County | 202 | 43482 | 0.46 |
| Snohomish County | 187 | 6033 | 3.1 |
| Orange County | 184 | 38131 | 0.48 |
| Munich | 181 | 51068 | 0.35 |
| Queens | 175 | 67598 | 0.26 |
| South Yorkshire | 171 | 9610 | 1.78 |
| San Francisco | 163 | 7231 | 2.25 |
| Pierce County | 159 | 5851 | 2.72 |
| Milwaukee County | 153 | 19332 | 0.79 |
| Los Angeles County | 146 | 198355 | 0.07 |
| Hyderabad | 144 | 73050 | 0.2 |
| Dane County - April 26th | 122 | 405 | 30.12 |
| Milwaukee County - April 26th | 125 | 2629 | 4.75 |

Supplemental Table 2. SARS-CoV-2 sequencing depth per location. Percent sequenced (%) is calculated as the number of consensus sequences over the number of documented positive SARS-CoV-2 cases across a variety of geographic locations. The number of sequences per geographic location were obtained on GISAID by downloading the NextMeta file and filtering on the 'Location' search field. We compared the sequencing depth to the sequencing depth obtained by our study (indicated by '- April 26th') to highlight that we are one of the top 25 deepest sequenced locations.

| strain | gisaid_epi_isl | genbank_accession | sra_accession | srr_run_number | biosample_id | bioproject | date | region | country | division | location | region_exposure | country_exposure | division_exposure | segment | length | title | paper_url | date_submitted | N1_Ct_value | N2_Ct_value |
|-------------------|----------------|-------------------|---------------|----------------|--------------|-------------|-----------|---------------|---------|-----------|-------------|-----------------|------------------|-------------------|---------|--------|---|---|----------------|-------------|-------------|
| USA/WI1/2020 | EPI_ISL_408670 | MT039887 | SRX7777165 | SRR11140745 | SAMN14154204 | PRJNA607948 | 2020-1-31 | North America | USA | Wisconsin | Dane county | Asia | China | Hubei | genome | 29879 | First 12 patients with coronavirus disease 2019 (COVID-19) in the United States | https://dx.doi.org/10.1101/2020.03.09.20032896 | 2020-2-10 | - | - |
| USA/WI-UW-02/2020 | EPI_ISL_416489 | - | SRX7972381 | SRR11393278 | SAMN14428237 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-3-22 | 14.75 | 13.53 |
| USA/WI-UW-04/2020 | EPI_ISL_416491 | - | SRX7972383 | SRR11393276 | SAMN14428239 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29843 | ? | ? | 2020-3-22 | 24.93 | 25.4 |
| USA/WI-UW-05/2020 | EPI_ISL_416492 | - | SRX7972384 | SRR11393275 | SAMN14428240 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29855 | ? | ? | 2020-3-22 | 24.71 | 25.03 |
| USA/WI-UW-03/2020 | EPI_ISL_416523 | - | SRX7972382 | SRR11393277 | SAMN14428238 | PRJNA614504 | 2020-3-14 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29870 | ? | ? | 2020-3-22 | 15.66 | 15 |
| USA/WI-UW-06/2020 | EPI_ISL_417200 | - | SRX7988797 | SRR11410125 | SAMN14443954 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29844 | ? | ? | 2020-3-24 | 26.53 | 27.29 |
| USA/WI-UW-07/2020 | EPI_ISL_417201 | - | SRX7988798 | SRR11410124 | SAMN14443955 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29865 | ? | ? | 2020-3-24 | 16.28 | 16.49 |
| USA/WI-UW-08/2020 | EPI_ISL_417202 | - | SRX7988799 | SRR11410123 | SAMN14443956 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29843 | ? | ? | 2020-3-24 | 17.35 | 18.03 |
| USA/WI-UW-09/2020 | EPI_ISL_417203 | - | SRX7988800 | SRR11410122 | SAMN14443957 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29843 | ? | ? | 2020-3-24 | 22.46 | 23.15 |
| USA/WI-UW-10/2020 | EPI_ISL_417204 | - | SRX7988801 | SRR11410121 | SAMN14443958 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29841 | ? | ? | 2020-3-24 | 24.17 | 24.51 |
| USA/WI-UW-25/2020 | EPI_ISL_421283 | - | SRX8079441 | SRR11507378 | SAMN14555931 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 14.18 | 14.34 |
| USA/WI-UW-26/2020 | EPI_ISL_421284 | - | SRX8079442 | SRR11507377 | SAMN14555932 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29611 | ? | ? | 2020-4-2 | 27.55 | 29.14 |
| USA/WI-UW-27/2020 | EPI_ISL_421285 | - | SRX8079453 | SRR11507366 | SAMN14555933 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 30.36 | 31.89 |
| USA/WI-UW-28/2020 | EPI_ISL_421286 | - | SRX8079464 | SRR11507355 | SAMN14555934 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 27.7 | 29.21 |
| USA/WI-UW-29/2020 | EPI_ISL_421287 | - | SRX8079475 | SRR11507344 | SAMN14555935 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 16.14 | 16.05 |
| USA/WI-UW-31/2020 | EPI_ISL_421289 | - | SRX8079497 | SRR11507322 | SAMN14555937 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 15.46 | 15.69 |
| USA/WI-UW-32/2020 | EPI_ISL_421290 | - | SRX8079498 | SRR11507321 | SAMN14555938 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 24.27 | 24.83 |
| USA/WI-UW-33/2020 | EPI_ISL_421291 | - | SRX8079499 | SRR11507320 | SAMN14555939 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.18 | 23.94 |
| USA/WI-UW-34/2020 | EPI_ISL_421292 | - | SRX8079500 | SRR11507319 | SAMN14555940 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 27.81 | 29.4 |
| USA/WI-UW-35/2020 | EPI_ISL_421293 | - | SRX8079443 | SRR11507376 | SAMN14555941 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 20.93 | 21.61 |
| USA/WI-UW-37/2020 | EPI_ISL_421295 | - | SRX8079445 | SRR11507374 | SAMN14555943 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.69 | 24.79 |

| Study ID | Accession | Sex | SRX ID | SRR ID | SAMN ID | PRJNA ID | Collection Date | Country | State | County | Region | Country | State | County | Genome | Size (Mb) | Year | Year | Year | Mean | SD |
|-------------------|----------------|-----|------------|-------------|--------------|-------------|-----------------|---------------|-------|-----------|--------------|---------------|-------|-----------|--------|-----------|------|------|----------|-------|-------|
| USA/WI-UW-38/2020 | EPI_ISL_421296 | - | SRX8079446 | SRR11507373 | SAMN14555944 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 27.98 | 29.23 |
| USA/WI-UW-39/2020 | EPI_ISL_421297 | - | SRX8079447 | SRR11507372 | SAMN14555945 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 18.2 | 20.06 |
| USA/WI-UW-40/2020 | EPI_ISL_421298 | - | SRX8079448 | SRR11507371 | SAMN14555946 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.52 | 24.46 |
| USA/WI-UW-41/2020 | EPI_ISL_421299 | - | SRX8079449 | SRR11507370 | SAMN14555947 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 24.32 | 25.31 |
| USA/WI-UW-42/2020 | EPI_ISL_421300 | - | SRX8079450 | SRR11507369 | SAMN14555948 | PRJNA614504 | 2020-3-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 16.29 | 16.82 |
| USA/WI-UW-43/2020 | EPI_ISL_421301 | - | SRX8079451 | SRR11507368 | SAMN14555949 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 14.76 | 15.72 |
| USA/WI-UW-44/2020 | EPI_ISL_421302 | - | SRX8079452 | SRR11507367 | SAMN14555950 | PRJNA614504 | 2020-3-17 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 17.79 | 18.3 |
| USA/WI-UW-45/2020 | EPI_ISL_421303 | - | SRX8079454 | SRR11507365 | SAMN14555951 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 20.22 | 20.7 |
| USA/WI-UW-46/2020 | EPI_ISL_421304 | - | SRX8079455 | SRR11507364 | SAMN14555952 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 27.13 | 27.94 |
| USA/WI-UW-48/2020 | EPI_ISL_421306 | - | SRX8079457 | SRR11507362 | SAMN14555954 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.02 | 23.79 |
| USA/WI-UW-49/2020 | EPI_ISL_421307 | - | SRX8079458 | SRR11507361 | SAMN14555955 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 25.7 | 26.9 |
| USA/WI-UW-50/2020 | EPI_ISL_421308 | - | SRX8079459 | SRR11507360 | SAMN14555956 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Green County | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 19.13 | 19.78 |
| USA/WI-UW-51/2020 | EPI_ISL_421309 | - | SRX8079460 | SRR11507359 | SAMN14555957 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 17.11 | 17.3 |
| USA/WI-UW-52/2020 | EPI_ISL_421310 | - | SRX8079461 | SRR11507358 | SAMN14555958 | PRJNA614504 | 2020-3-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 15.98 | 16.57 |
| USA/WI-UW-53/2020 | EPI_ISL_421311 | - | SRX8079462 | SRR11507357 | SAMN14555959 | PRJNA614504 | 2020-3-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 14.46 | 14.85 |
| USA/WI-UW-54/2020 | EPI_ISL_421312 | - | SRX8079463 | SRR11507356 | SAMN14555960 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 16.12 | 16.18 |
| USA/WI-UW-55/2020 | EPI_ISL_421313 | - | SRX8079465 | SRR11507354 | SAMN14555961 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 16.85 | 17.81 |
| USA/WI-UW-56/2020 | EPI_ISL_421314 | - | SRX8079466 | SRR11507353 | SAMN14555962 | PRJNA614504 | 2020-3-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 24.33 | 24.95 |
| USA/WI-UW-58/2020 | EPI_ISL_421316 | - | SRX8079468 | SRR11507351 | SAMN14555964 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 16.63 | 16.64 |
| USA/WI-UW-59/2020 | EPI_ISL_421317 | - | SRX8079469 | SRR11507350 | SAMN14555965 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.83 | 24.54 |
| USA/WI-UW-60/2020 | EPI_ISL_421318 | - | SRX8079470 | SRR11507349 | SAMN14555966 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 16.48 | 16.48 |
| USA/WI-UW-61/2020 | EPI_ISL_421319 | - | SRX8079471 | SRR11507348 | SAMN14555967 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.28 | 24.11 |
| USA/WI-UW-62/2020 | EPI_ISL_421320 | - | SRX8079472 | SRR11507347 | SAMN14555968 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 26.29 | 27.46 |
| USA/WI-UW-63/2020 | EPI_ISL_421321 | - | SRX8079473 | SRR11507346 | SAMN14555969 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 24.54 | 25.21 |
| USA/WI-UW-64/2020 | EPI_ISL_421322 | - | SRX8079474 | SRR11507345 | SAMN14555970 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 17.96 | 17.57 |

| Accession | ISL ID | Sex | SRX ID | SRR ID | SAMN ID | PRJNA ID | Submission Date | Country | State | County | Region | Country | County | Genome Type | Size (Mb) | Year | Year | Year | Year | Year | Year |
|-------------------|----------------|-----|------------|-------------|--------------|-------------|-----------------|---------------|-------|-----------|-------------|---------------|--------|-------------|-----------|-------|------|------|-----------|-------|-------|
| USA/WI-UW-65/2020 | EPI_ISL_421323 | - | SRX8079476 | SRR11507343 | SAMN14555971 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 15.54 | 15.33 |
| USA/WI-UW-66/2020 | EPI_ISL_421324 | - | SRX8079477 | SRR11507342 | SAMN14555972 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 26.52 | 27.61 |
| USA/WI-UW-67/2020 | EPI_ISL_421325 | - | SRX8079478 | SRR11507341 | SAMN14555973 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 25.62 | 27.01 |
| USA/WI-UW-68/2020 | EPI_ISL_421326 | - | SRX8079479 | SRR11507340 | SAMN14555974 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 15.96 | 16.13 |
| USA/WI-UW-69/2020 | EPI_ISL_421327 | - | SRX8079480 | SRR11507339 | SAMN14555975 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 15.83 | 16.07 |
| USA/WI-UW-70/2020 | EPI_ISL_421328 | - | SRX8079481 | SRR11507338 | SAMN14555976 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 20.12 | 20.77 |
| USA/WI-UW-71/2020 | EPI_ISL_421329 | - | SRX8079482 | SRR11507337 | SAMN14555977 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 18.93 | 18.64 |
| USA/WI-UW-72/2020 | EPI_ISL_421330 | - | SRX8079483 | SRR11507336 | SAMN14555978 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 20.95 | 21.64 |
| USA/WI-UW-73/2020 | EPI_ISL_421331 | - | SRX8079484 | SRR11507335 | SAMN14555979 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.69 | 24.93 |
| USA/WI-UW-74/2020 | EPI_ISL_421332 | - | SRX8079485 | SRR11507334 | SAMN14555980 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 14.19 | 14.36 |
| USA/WI-UW-75/2020 | EPI_ISL_421333 | - | SRX8079487 | SRR11507332 | SAMN14555981 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 29.8 | 31.35 |
| USA/WI-UW-76/2020 | EPI_ISL_421334 | - | SRX8079488 | SRR11507331 | SAMN14555982 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 17.49 | 17.59 |
| USA/WI-UW-77/2020 | EPI_ISL_421335 | - | SRX8079489 | SRR11507330 | SAMN14555983 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 20.19 | 20.65 |
| USA/WI-UW-78/2020 | EPI_ISL_421336 | - | SRX8079490 | SRR11507329 | SAMN14555984 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 25.99 | 26.68 |
| USA/WI-UW-79/2020 | EPI_ISL_421338 | - | SRX8079491 | SRR11507328 | SAMN14555985 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 25.04 | 25.84 |
| USA/WI-UW-80/2020 | EPI_ISL_421339 | - | SRX8079492 | SRR11507327 | SAMN14555986 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 21.56 | 22.09 |
| USA/WI-UW-81/2020 | EPI_ISL_421340 | - | SRX8079493 | SRR11507326 | SAMN14555987 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 21.88 | 23.08 |
| USA/WI-UW-82/2020 | EPI_ISL_421341 | - | SRX8079494 | SRR11507325 | SAMN14555988 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 28.13 | 29.11 |
| USA/WI-UW-84/2020 | EPI_ISL_421343 | - | SRX8079496 | SRR11507323 | SAMN14555990 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-2 | 23.12 | 23.82 |
| USA/WI-UW-85/2020 | EPI_ISL_425142 | - | SRX8114902 | SRR11544850 | SAMN14596861 | PRJNA614504 | 2020-4-2 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 24.4 | - |
| USA/WI-UW-86/2020 | EPI_ISL_425143 | - | SRX8114903 | SRR11544849 | SAMN14596862 | PRJNA614504 | 2020-4-2 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 22.1 | - |
| USA/WI-UW-87/2020 | EPI_ISL_425144 | - | SRX8114914 | SRR11544838 | SAMN14596863 | PRJNA614504 | 2020-4-2 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 22.1 | - |
| USA/WI-UW-88/2020 | EPI_ISL_425145 | - | SRX8114925 | SRR11544827 | SAMN14596864 | PRJNA614504 | 2020-4-5 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 25.29 | 25.93 |
| USA/WI-UW-89/2020 | EPI_ISL_425146 | - | SRX8114931 | SRR11544821 | SAMN14596865 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 21.63 | 22.3 |
| USA/WI-UW-90/2020 | EPI_ISL_425147 | - | SRX8114932 | SRR11544820 | SAMN14596866 | PRJNA614504 | 2020-4-3 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 30.7 | - |

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|--------------------|----------------|---|------------|-------------|--------------|-------------|-----------|---------------|-----|-----------|-------------|---------------|-----|-----------|--------|-------|---|---|-----------|-------|-------|
| USA/WI-UW-91/2020 | EPI_ISL_425148 | - | SRX8114933 | SRR11544819 | SAMN14596867 | PRJNA614504 | 2020-4-1 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29611 | ? | ? | 2020-4-12 | 24.6 | - |
| USA/WI-UW-92/2020 | EPI_ISL_425149 | - | SRX8114934 | SRR11544818 | SAMN14596868 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 18.8 | 19.7 |
| USA/WI-UW-93/2020 | EPI_ISL_425150 | - | SRX8114935 | SRR11544817 | SAMN14596869 | PRJNA614504 | 2020-4-4 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 25.7 | - |
| USA/WI-UW-94/2020 | EPI_ISL_425151 | - | SRX8114936 | SRR11544816 | SAMN14596870 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 28.8 | - |
| USA/WI-UW-95/2020 | EPI_ISL_425152 | - | SRX8114904 | SRR11544848 | SAMN14596871 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 21.2 | - |
| USA/WI-UW-96/2020 | EPI_ISL_425153 | - | SRX8114905 | SRR11544847 | SAMN14596872 | PRJNA614504 | 2020-4-1 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 17.33 | 18.05 |
| USA/WI-UW-97/2020 | EPI_ISL_425154 | - | SRX8114906 | SRR11544846 | SAMN14596873 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29611 | ? | ? | 2020-4-12 | 27.3 | - |
| USA/WI-UW-98/2020 | EPI_ISL_425155 | - | SRX8114907 | SRR11544845 | SAMN14596874 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 24.7 | - |
| USA/WI-UW-99/2020 | EPI_ISL_425156 | - | SRX8114908 | SRR11544844 | SAMN14596875 | PRJNA614504 | 2020-4-2 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 18.8 | - |
| USA/WI-UW-100/2020 | EPI_ISL_425157 | - | SRX8114909 | SRR11544843 | SAMN14596876 | PRJNA614504 | 2020-4-3 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 26.5 | - |
| USA/WI-UW-101/2020 | EPI_ISL_425158 | - | SRX8114910 | SRR11544842 | SAMN14596877 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 16.9 | - |
| USA/WI-UW-102/2020 | EPI_ISL_425159 | - | SRX8114911 | SRR11544841 | SAMN14596878 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 22.21 | 22.99 |
| USA/WI-UW-103/2020 | EPI_ISL_425160 | - | SRX8114912 | SRR11544840 | SAMN14596879 | PRJNA614504 | 2020-4-3 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 23.6 | - |
| USA/WI-UW-105/2020 | EPI_ISL_425162 | - | SRX8114915 | SRR11544837 | SAMN14596881 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 25.21 | 26.49 |
| USA/WI-UW-106/2020 | EPI_ISL_425163 | - | SRX8114916 | SRR11544836 | SAMN14596882 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 17.83 | 18.58 |
| USA/WI-UW-107/2020 | EPI_ISL_425164 | - | SRX8114917 | SRR11544835 | SAMN14596883 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 24.2 | - |
| USA/WI-UW-108/2020 | EPI_ISL_425165 | - | SRX8114918 | SRR11544834 | SAMN14596884 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 25.06 | 26.02 |
| USA/WI-UW-109/2020 | EPI_ISL_425166 | - | SRX8114919 | SRR11544833 | SAMN14596885 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 31.01 | 32.18 |
| USA/WI-UW-110/2020 | EPI_ISL_425167 | - | SRX8114920 | SRR11544832 | SAMN14596886 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 22.2 | - |
| USA/WI-UW-111/2020 | EPI_ISL_425168 | - | SRX8114921 | SRR11544831 | SAMN14596887 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 25.61 | 26.29 |
| USA/WI-UW-112/2020 | EPI_ISL_425169 | - | SRX8114922 | SRR11544830 | SAMN14596888 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 18.74 | 19.89 |
| USA/WI-UW-114/2020 | EPI_ISL_425171 | - | SRX8114924 | SRR11544828 | SAMN14596890 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 22.62 | 23.5 |
| USA/WI-UW-115/2020 | EPI_ISL_425172 | - | SRX8114926 | SRR11544826 | SAMN14596891 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 26.2 | - |
| USA/WI-UW-116/2020 | EPI_ISL_425173 | - | SRX8114927 | SRR11544825 | SAMN14596892 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 31.81 | 33.31 |
| USA/WI-UW-117/2020 | EPI_ISL_425174 | - | SRX8114928 | SRR11544824 | SAMN14596893 | PRJNA614504 | 2020-3-30 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 28.2 | - |

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|--------------------|----------------|---|------------|-------------|--------------|-------------|-----------|---------------|-----|-----------|------------------|---------------|-----|-----------|--------|-------|---|---|-----------|-------|-------|
| USA/WI-UW-119/2020 | EPI_ISL_425176 | - | SRX8114930 | SRR11544822 | SAMN14596895 | PRJNA614504 | 2020-4-10 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-12 | 31.01 | 32.71 |
| USA/WI-UW-120/2020 | EPI_ISL_427427 | - | SRX8149929 | SRR11582218 | SAMN14654585 | PRJNA614504 | 2020-4-13 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 14.76 | 14.82 |
| USA/WI-UW-122/2020 | EPI_ISL_427429 | - | SRX8149905 | SRR11582242 | SAMN14654587 | PRJNA614504 | 2020-4-7 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 28.1 | - |
| USA/WI-UW-124/2020 | EPI_ISL_427431 | - | SRX8149923 | SRR11582224 | SAMN14654589 | PRJNA614504 | 2020-4-7 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 17.5 | - |
| USA/WI-UW-127/2020 | EPI_ISL_427434 | - | SRX8149926 | SRR11582221 | SAMN14654592 | PRJNA614504 | 2020-4-7 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 19.1 | - |
| USA/WI-UW-128/2020 | EPI_ISL_427435 | - | SRX8149927 | SRR11582220 | SAMN14654593 | PRJNA614504 | 2020-4-7 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 21 | - |
| USA/WI-UW-129/2020 | EPI_ISL_427436 | - | SRX8149928 | SRR11582219 | SAMN14654594 | PRJNA614504 | 2020-4-6 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 30.7 | - |
| USA/WI-UW-135/2020 | EPI_ISL_427442 | - | SRX8149900 | SRR11582247 | SAMN14654600 | PRJNA614504 | 2020-4-9 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 22.5 | - |
| USA/WI-UW-140/2020 | EPI_ISL_427447 | - | SRX8149906 | SRR11582241 | SAMN14654605 | PRJNA614504 | 2020-4-9 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 21.43 | - |
| USA/WI-UW-144/2020 | EPI_ISL_427451 | - | SRX8149910 | SRR11582237 | SAMN14654609 | PRJNA614504 | 2020-4-6 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 23.92 | 24.31 |
| USA/WI-UW-145/2020 | EPI_ISL_427452 | - | SRX8149911 | SRR11582236 | SAMN14654610 | PRJNA614504 | 2020-4-10 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 27.68 | 28.81 |
| USA/WI-UW-146/2020 | EPI_ISL_427453 | - | SRX8149912 | SRR11582235 | SAMN14654611 | PRJNA614504 | 2020-4-6 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 26.1 | - |
| USA/WI-UW-147/2020 | EPI_ISL_427454 | - | SRX8149913 | SRR11582234 | SAMN14654612 | PRJNA614504 | 2020-4-10 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 34.6 | - |
| USA/WI-UW-148/2020 | EPI_ISL_427455 | - | SRX8149914 | SRR11582233 | SAMN14654613 | PRJNA614504 | 2020-4-7 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 20.7 | - |
| USA/WI-UW-150/2020 | EPI_ISL_427457 | - | SRX8149917 | SRR11582230 | SAMN14654615 | PRJNA614504 | 2020-4-13 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 29.7 | - |
| USA/WI-UW-151/2020 | EPI_ISL_427458 | - | SRX8149918 | SRR11582229 | SAMN14654616 | PRJNA614504 | 2020-4-8 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 23.56 | 24.33 |
| USA/WI-UW-152/2020 | EPI_ISL_427459 | - | SRX8149919 | SRR11582228 | SAMN14654617 | PRJNA614504 | 2020-4-6 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 35.7 | - |
| USA/WI-UW-153/2020 | EPI_ISL_427460 | - | SRX8149920 | SRR11582227 | SAMN14654618 | PRJNA614504 | 2020-4-9 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 15.1 | - |
| USA/WI-UW-155/2020 | EPI_ISL_427462 | - | SRX8149922 | SRR11582225 | SAMN14654620 | PRJNA614504 | 2020-4-10 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-18 | 33.3 | - |
| USA/WI-UW-156/2020 | EPI_ISL_428252 | - | SRX8151738 | SRR11584248 | SAMN14656612 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.15 | 17.42 |
| USA/WI-UW-157/2020 | EPI_ISL_428253 | - | SRX8151739 | SRR11584247 | SAMN14656613 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 20.2 | 20.46 |
| USA/WI-UW-158/2020 | EPI_ISL_428254 | - | SRX8151750 | SRR11584236 | SAMN14656614 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 23.93 | 24.33 |
| USA/WI-UW-159/2020 | EPI_ISL_428255 | - | SRX8151761 | SRR11584225 | SAMN14656615 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 20.57 | 21.06 |
| USA/WI-UW-160/2020 | EPI_ISL_428256 | - | SRX8151772 | SRR11584214 | SAMN14656616 | PRJNA614504 | 2020-3-15 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 18.6 | 19.08 |
| USA/WI-UW-161/2020 | EPI_ISL_428257 | - | SRX8151783 | SRR11584203 | SAMN14656617 | PRJNA614504 | 2020-3-29 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 23.88 | 24.27 |

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|--------------------|----------------|---|------------|-------------|--------------|-------------|-----------|---------------|-----|-----------|------------------|---------------|-----|-----------|--------|-------|---|---|-----------|-------|-------|
| USA/WI-UW-162/2020 | EPI_ISL_428258 | - | SRX8151794 | SRR11584192 | SAMN1465661 | PRJNA614504 | 2020-3-29 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 22.07 | 23.25 |
| USA/WI-UW-165/2020 | EPI_ISL_428261 | - | SRX8151827 | SRR11584159 | SAMN14656621 | PRJNA614504 | 2020-3-17 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 23.24 | 22.81 |
| USA/WI-UW-166/2020 | EPI_ISL_428262 | - | SRX8151740 | SRR11584246 | SAMN14656622 | PRJNA614504 | 2020-3-17 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.01 | 25.41 |
| USA/WI-UW-168/2020 | EPI_ISL_428264 | - | SRX8151742 | SRR11584244 | SAMN14656624 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.49 | 26.74 |
| USA/WI-UW-170/2020 | EPI_ISL_428266 | - | SRX8151744 | SRR11584242 | SAMN14656626 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 21.13 | 21.33 |
| USA/WI-UW-171/2020 | EPI_ISL_428267 | - | SRX8151745 | SRR11584241 | SAMN14656627 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 22.38 | 22.8 |
| USA/WI-UW-172/2020 | EPI_ISL_428268 | - | SRX8151746 | SRR11584240 | SAMN14656628 | PRJNA614504 | 2020-3-19 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 21.67 | 21.8 |
| USA/WI-UW-173/2020 | EPI_ISL_428269 | - | SRX8151747 | SRR11584239 | SAMN14656629 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 23.85 | 23.92 |
| USA/WI-UW-176/2020 | EPI_ISL_428272 | - | SRX8151751 | SRR11584235 | SAMN14656632 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 21.51 | 21.64 |
| USA/WI-UW-177/2020 | EPI_ISL_428273 | - | SRX8151752 | SRR11584234 | SAMN14656633 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 28.17 | 28.5 |
| USA/WI-UW-178/2020 | EPI_ISL_428274 | - | SRX8151753 | SRR11584233 | SAMN14656634 | PRJNA614504 | 2020-3-20 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.44 | 26.65 |
| USA/WI-UW-179/2020 | EPI_ISL_428275 | - | SRX8151754 | SRR11584232 | SAMN14656635 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.89 | 18.58 |
| USA/WI-UW-181/2020 | EPI_ISL_428277 | - | SRX8151756 | SRR11584230 | SAMN14656637 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 28.41 | 29.61 |
| USA/WI-UW-182/2020 | EPI_ISL_428278 | - | SRX8151757 | SRR11584229 | SAMN14656638 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.75 | 25.09 |
| USA/WI-UW-183/2020 | EPI_ISL_428279 | - | SRX8151758 | SRR11584228 | SAMN14656639 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 25.76 | 25.88 |
| USA/WI-UW-184/2020 | EPI_ISL_428280 | - | SRX8151759 | SRR11584227 | SAMN14656640 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 21.9 | 22.26 |
| USA/WI-UW-185/2020 | EPI_ISL_428281 | - | SRX8151760 | SRR11584226 | SAMN14656641 | PRJNA614504 | 2020-3-22 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.97 | 20.7 |
| USA/WI-UW-186/2020 | EPI_ISL_428282 | - | SRX8151762 | SRR11584224 | SAMN14656642 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 16.31 | 15.63 |
| USA/WI-UW-187/2020 | EPI_ISL_428283 | - | SRX8151763 | SRR11584223 | SAMN14656643 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 22.5 | 21.62 |
| USA/WI-UW-188/2020 | EPI_ISL_428284 | - | SRX8151764 | SRR11584222 | SAMN14656644 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 30.05 | 29.06 |
| USA/WI-UW-189/2020 | EPI_ISL_428285 | - | SRX8151765 | SRR11584221 | SAMN14656645 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 25.05 | 24.1 |
| USA/WI-UW-190/2020 | EPI_ISL_428286 | - | SRX8151766 | SRR11584220 | SAMN14656646 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 15.76 | 15.34 |
| USA/WI-UW-191/2020 | EPI_ISL_428287 | - | SRX8151767 | SRR11584219 | SAMN14656647 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 15.52 | 15.23 |
| USA/WI-UW-192/2020 | EPI_ISL_428288 | - | SRX8151768 | SRR11584218 | SAMN14656648 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 28.48 | 28.3 |
| USA/WI-UW-195/2020 | EPI_ISL_428291 | - | SRX8151771 | SRR11584215 | SAMN14656651 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.21 | 18.41 |

| Study ID | Accession | Sex | SRX ID | SRR ID | SAMN ID | PRJNA ID | Collection Date | Country | State | County | City | Region | Country | State | County | Genome Type | Size (Mb) | Year | Month | Day | Mean Coverage | Min Coverage | Max Coverage |
|--------------------|----------------|-----|------------|-------------|--------------|-------------|-----------------|---------------|-------|-----------|------------------|---------------|---------|-----------|--------|-------------|-----------|------|-----------|-------|---------------|--------------|--------------|
| USA/WI-UW-196/2020 | EPI_ISL_428292 | - | SRX8151773 | SRR11584213 | SAMN14656652 | PRJNA614504 | 2020-3-21 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 28.66 | 29.46 | | |
| USA/WI-UW-197/2020 | EPI_ISL_428293 | - | SRX8151774 | SRR11584212 | SAMN14656653 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 27.82 | 27.23 | | |
| USA/WI-UW-200/2020 | EPI_ISL_428296 | - | SRX8151777 | SRR11584209 | SAMN14656656 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 17.64 | 17.78 | | |
| USA/WI-UW-205/2020 | EPI_ISL_428301 | - | SRX8151782 | SRR11584204 | SAMN14656661 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 27.03 | 27.23 | | |
| USA/WI-UW-207/2020 | EPI_ISL_428303 | - | SRX8151785 | SRR11584201 | SAMN14656663 | PRJNA614504 | 2020-3-23 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.78 | 25.02 | | |
| USA/WI-UW-208/2020 | EPI_ISL_428304 | - | SRX8151786 | SRR11584200 | SAMN14656664 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 25.72 | 24.87 | | |
| USA/WI-UW-209/2020 | EPI_ISL_428305 | - | SRX8151787 | SRR11584199 | SAMN14656665 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 17.48 | 16.62 | | |
| USA/WI-UW-210/2020 | EPI_ISL_428306 | - | SRX8151788 | SRR11584198 | SAMN14656666 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.67 | 24.17 | | |
| USA/WI-UW-211/2020 | EPI_ISL_428307 | - | SRX8151789 | SRR11584197 | SAMN14656667 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.72 | 27.21 | | |
| USA/WI-UW-212/2020 | EPI_ISL_428308 | - | SRX8151790 | SRR11584196 | SAMN14656668 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.05 | 26.57 | | |
| USA/WI-UW-213/2020 | EPI_ISL_428309 | - | SRX8151791 | SRR11584195 | SAMN14656669 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 25.77 | 26.74 | | |
| USA/WI-UW-215/2020 | EPI_ISL_428311 | - | SRX8151793 | SRR11584193 | SAMN14656671 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 29.01 | 29.94 | | |
| USA/WI-UW-216/2020 | EPI_ISL_428312 | - | SRX8151795 | SRR11584191 | SAMN14656672 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 28.39 | 29.36 | | |
| USA/WI-UW-217/2020 | EPI_ISL_428313 | - | SRX8151796 | SRR11584190 | SAMN14656673 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 29.14 | 29.6 | | |
| USA/WI-UW-218/2020 | EPI_ISL_428314 | - | SRX8151797 | SRR11584189 | SAMN14656674 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.03 | 27.14 | | |
| USA/WI-UW-219/2020 | EPI_ISL_428315 | - | SRX8151798 | SRR11584188 | SAMN14656675 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 21.97 | 22.39 | | |
| USA/WI-UW-221/2020 | EPI_ISL_428317 | - | SRX8151800 | SRR11584186 | SAMN14656677 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 16.03 | 15.91 | | |
| USA/WI-UW-222/2020 | EPI_ISL_428318 | - | SRX8151801 | SRR11584185 | SAMN14656678 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.65 | 25.06 | | |
| USA/WI-UW-223/2020 | EPI_ISL_428319 | - | SRX8151802 | SRR11584184 | SAMN14656679 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.67 | 28.25 | | |
| USA/WI-UW-225/2020 | EPI_ISL_428321 | - | SRX8151804 | SRR11584182 | SAMN14656681 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 18.55 | 18.91 | | |
| USA/WI-UW-226/2020 | EPI_ISL_428322 | - | SRX8151806 | SRR11584180 | SAMN14656682 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 18.81 | 19.22 | | |
| USA/WI-UW-227/2020 | EPI_ISL_428323 | - | SRX8151807 | SRR11584179 | SAMN14656683 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 22.54 | 23.52 | | |
| USA/WI-UW-228/2020 | EPI_ISL_428324 | - | SRX8151808 | SRR11584178 | SAMN14656684 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 17.61 | 19.04 | | |
| USA/WI-UW-229/2020 | EPI_ISL_428325 | - | SRX8151809 | SRR11584177 | SAMN14656685 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 17.43 | 18.08 | | |
| USA/WI-UW-230/2020 | EPI_ISL_428326 | - | SRX8151810 | SRR11584176 | SAMN14656686 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.4 | 25.99 | | |

| Project ID | Accession | Year | Host | Strain | Genome | Region | Country | State | County | City | Lat | Long | Year | Month | Day | Genome Size (Mb) | GC Content (%) | Assembly Quality (N50) | Reference | Year | Month | Day | Genome Size (Mb) | GC Content (%) | Assembly Quality (N50) |
|--------------------|----------------|------|------------|-------------|--------------|-------------|-----------|---------------|--------|-----------|------------------|---------------|------|-----------|--------|------------------|----------------|------------------------|-----------|-------|-------|-----|------------------|----------------|------------------------|
| USA/WI-UW-231/2020 | EPI_ISL_428327 | - | SRX8151811 | SRR11584175 | SAMN14656687 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.42 | 19.94 | | | | |
| USA/WI-UW-232/2020 | EPI_ISL_428328 | - | SRX8151812 | SRR11584174 | SAMN14656688 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.54 | 18.33 | | | | |
| USA/WI-UW-233/2020 | EPI_ISL_428329 | - | SRX8151813 | SRR11584173 | SAMN14656689 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.33 | 26.12 | | | | |
| USA/WI-UW-234/2020 | EPI_ISL_428330 | - | SRX8151814 | SRR11584172 | SAMN14656690 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 19.88 | 18.62 | | | | |
| USA/WI-UW-235/2020 | EPI_ISL_428331 | - | SRX8151815 | SRR11584171 | SAMN14656691 | PRJNA614504 | 2020-3-28 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.87 | 17.15 | | | | |
| USA/WI-UW-236/2020 | EPI_ISL_428332 | - | SRX8151817 | SRR11584169 | SAMN14656692 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 23.37 | 23.27 | | | | |
| USA/WI-UW-237/2020 | EPI_ISL_428333 | - | SRX8151818 | SRR11584168 | SAMN14656693 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 18.05 | 17.98 | | | | |
| USA/WI-UW-238/2020 | EPI_ISL_428334 | - | SRX8151819 | SRR11584167 | SAMN14656694 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 26.38 | 25.52 | | | | |
| USA/WI-UW-240/2020 | EPI_ISL_428336 | - | SRX8151821 | SRR11584165 | SAMN14656696 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 24.49 | 24.26 | | | | |
| USA/WI-UW-241/2020 | EPI_ISL_428337 | - | SRX8151822 | SRR11584164 | SAMN14656697 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 17.33 | 16.59 | | | | |
| USA/WI-UW-242/2020 | EPI_ISL_428338 | - | SRX8151823 | SRR11584163 | SAMN14656698 | PRJNA614504 | 2020-3-28 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 17.93 | 17.52 | | | | |
| USA/WI-UW-245/2020 | EPI_ISL_428341 | - | SRX8151826 | SRR11584160 | SAMN14656701 | PRJNA614504 | 2020-3-28 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 28.3 | 28.08 | | | | |
| USA/WI-UW-246/2020 | EPI_ISL_428342 | - | SRX8151828 | SRR11584158 | SAMN14656702 | PRJNA614504 | 2020-3-28 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 22.16 | 21.97 | | | | |
| USA/WI-UW-248/2020 | EPI_ISL_428344 | - | SRX8151830 | SRR11584156 | SAMN14656704 | PRJNA614504 | 2020-3-28 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-20 | 25.24 | 24.96 | | | | |
| USA/WI-UW-259/2020 | EPI_ISL_428935 | - | SRX8155700 | SRR11588239 | SAMN14669377 | PRJNA614504 | 2020-4-17 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29611 | ? | ? | 2020-4-22 | 23.8 | - | | | | |
| USA/WI-UW-260/2020 | EPI_ISL_428936 | - | SRX8155701 | SRR11588238 | SAMN14669378 | PRJNA614504 | 2020-4-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-4-22 | 32.8 | - | | | | |
| USA/WI-UW-270/2020 | EPI_ISL_436564 | - | SRX8281160 | SRR11721857 | SAMN14844834 | PRJNA614504 | 2020-3-12 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29611 | ? | ? | 2020-5-6 | 25.42 | 26.85 | | | | |
| USA/WI-UW-272/2020 | EPI_ISL_436566 | - | SRX8281172 | SRR11721845 | SAMN14844836 | PRJNA614504 | 2020-3-27 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 19.54 | 18.33 | | | | |
| USA/WI-UW-273/2020 | EPI_ISL_436567 | - | SRX8281183 | SRR11721834 | SAMN14844837 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 20.29 | 20.47 | | | | |
| USA/WI-UW-274/2020 | EPI_ISL_436568 | - | SRX8281194 | SRR11721823 | SAMN14844838 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 25.25 | 25.5 | | | | |
| USA/WI-UW-275/2020 | EPI_ISL_436569 | - | SRX8281128 | SRR11721889 | SAMN14844839 | PRJNA614504 | 2020-4-1 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 18.54 | 18.14 | | | | |
| USA/WI-UW-276/2020 | EPI_ISL_436570 | - | SRX8281139 | SRR11721878 | SAMN14844840 | PRJNA614504 | 2020-4-1 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 19.27 | 19.02 | | | | |
| USA/WI-UW-277/2020 | EPI_ISL_436571 | - | SRX8281150 | SRR11721867 | SAMN14844841 | PRJNA614504 | 2020-4-2 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 20.28 | 20.06 | | | | |
| USA/WI-UW-278/2020 | EPI_ISL_436572 | - | SRX8281158 | SRR11721859 | SAMN14844842 | PRJNA614504 | 2020-4-3 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 16.08 | 16.12 | | | | |
| USA/WI-UW-279/2020 | EPI_ISL_436573 | - | SRX8281159 | SRR11721858 | SAMN14844843 | PRJNA614504 | 2020-4-3 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-6 | 15.6 | 15.35 | | | | |

| Study ID | Accession | Sex | SRX ID | SRR ID | SAMN ID | PRJNA ID | Collection Date | Region | Country | State | County | Region | Country | State | Genome Type | Size (Mb) | GC (%) | GC (3bp) | GC (6bp) | Year | Mean | SD |
|--------------------|----------------|----------|------------|-------------|--------------|-------------|-----------------|---------------|---------|-----------|------------------|---------------|---------|-----------|-------------|-----------|--------|----------|----------|----------|-------|-------|
| USA/WI-UW-324/2020 | EPI_ISL_436618 | - | SRX8281133 | SRR11721884 | SAMN14844888 | PRJNA614504 | 2020-4-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 22.5 | 22.82 |
| USA/WI-UW-325/2020 | EPI_ISL_436619 | - | SRX8281134 | SRR11721883 | SAMN14844889 | PRJNA614504 | 2020-4-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 25.06 | 25.75 |
| USA/WI-UW-328/2020 | EPI_ISL_436622 | - | SRX8281137 | SRR11721880 | SAMN14844892 | PRJNA614504 | 2020-4-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 23.92 | 24.55 |
| USA/WI-UW-329/2020 | EPI_ISL_436623 | - | SRX8281138 | SRR11721879 | SAMN14844893 | PRJNA614504 | 2020-4-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 19.32 | 18.26 |
| USA/WI-UW-330/2020 | EPI_ISL_436624 | - | SRX8281140 | SRR11721877 | SAMN14844894 | PRJNA614504 | 2020-4-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29611 | ? | ? | ? | 2020-5-6 | 27.34 | 27.27 |
| USA/WI-UW-331/2020 | EPI_ISL_436625 | - | SRX8281141 | SRR11721876 | SAMN14844895 | PRJNA614504 | 2020-4-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 29.14 | 29.12 |
| USA/WI-UW-332/2020 | EPI_ISL_436626 | - | SRX8281142 | SRR11721875 | SAMN14844896 | PRJNA614504 | 2020-4-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 15.15 | 15.39 |
| USA/WI-UW-333/2020 | EPI_ISL_436627 | - | SRX8281143 | SRR11721874 | SAMN14844897 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 27.45 | 26.54 |
| USA/WI-UW-334/2020 | EPI_ISL_436628 | - | SRX8281144 | SRR11721873 | SAMN14844898 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 23.24 | 22.79 |
| USA/WI-UW-335/2020 | EPI_ISL_436629 | - | SRX8281145 | SRR11721872 | SAMN14844899 | PRJNA614504 | 2020-3-24 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 30.14 | 30.69 |
| USA/WI-UW-336/2020 | EPI_ISL_436630 | - | SRX8281146 | SRR11721871 | SAMN14844900 | PRJNA614504 | 2020-3-25 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 19.15 | 17.42 |
| USA/WI-UW-337/2020 | EPI_ISL_436631 | - | SRX8281147 | SRR11721870 | SAMN14844901 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 26.46 | 26.5 |
| USA/WI-UW-338/2020 | EPI_ISL_436632 | - | SRX8281148 | SRR11721869 | SAMN14844902 | PRJNA614504 | 2020-3-26 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 27.72 | 27.6 |
| USA/WI-UW-339/2020 | EPI_ISL_436633 | - | SRX8281149 | SRR11721868 | SAMN14844903 | PRJNA614504 | 2020-3-31 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29611 | ? | ? | ? | 2020-5-6 | 33.1 | 32.57 |
| USA/WI-UW-340/2020 | EPI_ISL_436634 | - | SRX8281151 | SRR11721866 | SAMN14844904 | PRJNA614504 | 2020-4-1 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 35.15 | 33.47 |
| USA/WI-UW-341/2020 | EPI_ISL_436635 | - | SRX8281152 | SRR11721865 | SAMN14844905 | PRJNA614504 | 2020-4-2 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 23.18 | 22.53 |
| USA/WI-UW-342/2020 | EPI_ISL_436636 | - | SRX8281153 | SRR11721864 | SAMN14844906 | PRJNA614504 | 2020-4-4 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 39.56 | 33.93 |
| USA/WI-UW-343/2020 | EPI_ISL_436637 | - | SRX8281154 | SRR11721863 | SAMN14844907 | PRJNA614504 | 2020-4-5 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 27.1 | 27.73 |
| USA/WI-UW-344/2020 | EPI_ISL_436638 | - | SRX8281155 | SRR11721862 | SAMN14844908 | PRJNA614504 | 2020-4-6 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 38.04 | 37.08 |
| USA/WI-UW-345/2020 | EPI_ISL_436639 | - | SRX8281156 | SRR11721861 | SAMN14844909 | PRJNA614504 | 2020-4-9 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29611 | ? | ? | ? | 2020-5-6 | 32 | 31.81 |
| USA/WI-UW-346/2020 | EPI_ISL_436640 | - | SRX8281157 | SRR11721860 | SAMN14844910 | PRJNA614504 | 2020-4-21 | North America | USA | Wisconsin | Milwaukee county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-6 | 27.37 | 27.39 |
| USA/WI-UW-347/2020 | EPI_ISL_450701 | MT506886 | SRX8379446 | SRR11828929 | SAMN14995484 | PRJNA614504 | 2020-4-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-8 | 14 | - |
| USA/WI-UW-351/2020 | EPI_ISL_450705 | MT506890 | SRX8379463 | SRR11828912 | SAMN14995488 | PRJNA614504 | 2020-4-14 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-8 | 25.51 | 26.64 |
| USA/WI-UW-356/2020 | EPI_ISL_450710 | MT506895 | SRX8379447 | SRR11828928 | SAMN14995493 | PRJNA614504 | 2020-4-14 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-8 | 25.55 | 26.57 |
| USA/WI-UW-359/2020 | EPI_ISL_450713 | MT506898 | SRX8379450 | SRR11828925 | SAMN14995496 | PRJNA614504 | 2020-4-18 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | ? | 2020-5-8 | 17.2 | - |

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|----------------------------|--------------------|--------------|----------------|-----------------|------------------|-----------------|-----------|------------------|-----|-----------|----------------|------------------|-----|-----------|--------|-------|---|---|----------|------|---|
| USA/WI- UW-362/2 020 | EPI_ISL_4 50716 | MT50690 1 | SRX83794 53 | SRR11828 922 | SAMN149 95499 | PRJNA614 504 | 2020-4-17 | North America | USA | Wisconsin | Dane county | North America | USA | Wisconsin | genome | 29782 | ? | ? | 2020-5-8 | 35.7 | - |
|----------------------------|--------------------|--------------|----------------|-----------------|------------------|-----------------|-----------|------------------|-----|-----------|----------------|------------------|-----|-----------|--------|-------|---|---|----------|------|---|

Supplementary Table 3. GISAID accession numbers and associated information for all consensus sequences included in this manuscript.

| name | pool | sequence | length | %gc | tm (use 65) |
|----------------------------|-------------|----------------------------------|--------|-------|-------------|
| nCoV-2019_1_LEFT | nCoV-2019_1 | ACCAACCAACTTTTCG ATCTCTTGT | 24 | 41.67 | 60.69 |
| nCoV-2019_1_RIGHT | nCoV-2019_1 | CATCTTTAAGATGTTG ACGTGCCTC | 25 | 44 | 60.45 |
| nCoV-2019_2_LEFT | nCoV-2019_2 | CTGTTTTACAGGTTTC GCGACGT | 22 | 50 | 61.67 |
| nCoV-2019_2_RIGHT | nCoV-2019_2 | TAAGGATCAGTGCCA AGCTCGT | 22 | 50 | 61.74 |
| nCoV-2019_3_LEFT | nCoV-2019_1 | CGGTAATAAAGGAGC TGGTGGC | 22 | 54.55 | 61.32 |
| nCoV-2019_3_RIGHT | nCoV-2019_1 | AAGGTGTCTGCAATT CATAGCTCT | 24 | 41.67 | 60.32 |
| nCoV-2019_4_LEFT | nCoV-2019_2 | GGTGTATACTGCTGCC GTGAAC | 22 | 54.55 | 61.56 |
| nCoV-2019_4_RIGHT | nCoV-2019_2 | CACAAGTAGTGGCAC CTTCTTTAGT | 25 | 44 | 60.97 |
| nCoV-2019_5_LEFT | nCoV-2019_1 | TGGTGAAACTTCATG GCAGACG | 22 | 50 | 61.39 |
| nCoV-2019_5_RIGHT | nCoV-2019_1 | ATTGATGTTGACTTTC TCTTTTTGGAGT | 28 | 32.14 | 60.17 |
| nCoV-2019_6_LEFT | nCoV-2019_2 | GGTGTGTTGGAGAA GGTCCG | 22 | 54.55 | 61.64 |
| nCoV-2019_6_RIGHT | nCoV-2019_2 | TAGCGGCCTTCTGTA AAACACG | 22 | 50 | 61.18 |
| nCoV-2019_7_LEFT | nCoV-2019_1 | ATCAGAGGCTGCTCG TGTTGTA | 22 | 50 | 61.73 |
| nCoV-2019_7_LEFT_ alt0 | nCoV-2019_1 | CATTTGCATCAGAGG CTGCTCG | 22 | 54.55 | 62.44 |
| nCoV-2019_7_RIGHT | nCoV-2019_1 | TGCACAGGTGACAAT TTGTCCA | 22 | 45.45 | 60.95 |
| nCoV-2019_7_RIGHT_ alt5 | nCoV-2019_1 | AGGTGACAATTTGTC CACCGAC | 22 | 50 | 61.07 |
| nCoV-2019_8_LEFT | nCoV-2019_2 | AGAGTTTCTTAGAGA CGGTTGGGA | 24 | 45.83 | 61 |
| nCoV-2019_8_RIGHT | nCoV-2019_2 | GCTTCAACAGCTTCA CTAGTAGGT | 24 | 45.83 | 60.56 |
| nCoV-2019_9_LEFT | nCoV-2019_1 | TCCCACAGAAGTGTT AACAGAGGA | 24 | 45.83 | 61.18 |
| nCoV-2019_9_LEFT_ alt4 | nCoV-2019_1 | TTCCCACAGAAGTGT TAACAGAGG | 24 | 45.83 | 60.44 |
| nCoV-2019_9_RIGHT | nCoV-2019_1 | ATGACAGCATCTGCC ACAACAC | 22 | 50 | 61.71 |
| nCoV-2019_9_RIGHT_ alt2 | nCoV-2019_1 | GACAGCATCTGCCAC AACACAG | 22 | 54.55 | 62.26 |
| nCoV-2019_10_LEFT | nCoV-2019_2 | TGAGAAGTGCTCTGC CTATACAGT | 24 | 45.83 | 61.12 |
| nCoV-2019_10_RIGH T | nCoV-2019_2 | TCATCTAACCAATCTT CTTCTTGCTCT | 27 | 37.04 | 60.31 |
| nCoV-2019_11_LEFT | nCoV-2019_1 | GGAATTTGGTGCCAC TTCTGCT | 22 | 50 | 61.66 |
| nCoV-2019_11_RIGH T | nCoV-2019_1 | TCATCAGATTCAACTT GCATGGCA | 24 | 41.67 | 61.35 |
| nCoV-2019_12_LEFT | nCoV-2019_2 | AAACATGGAGGAGG TGTTGCAG | 22 | 50 | 61.08 |

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|-----------------------------|-------------|------------------------------------|----|-------|-------|
| nCoV-2019_12_RIGH T | nCoV-2019_2 | TTCACTCTTCATTTCC AAAAAGCTTGA | 27 | 33.33 | 60.36 |
| nCoV-2019_13_LEFT | nCoV-2019_1 | TCGCACAAATGTCTAC TTAGCTGT | 24 | 41.67 | 60.56 |
| nCoV-2019_13_RIGH T | nCoV-2019_1 | ACCACAGCAGTTAAA ACACCCT | 22 | 45.45 | 60.36 |
| nCoV-2019_14_LEFT | nCoV-2019_2 | CATCCAGATTCTGCCA CTCTTGT | 23 | 47.83 | 60.62 |
| nCoV-2019_14_LEFT _alt4 | nCoV-2019_2 | TGGCAATCTTCATCCA GATTCTGC | 24 | 45.83 | 61.47 |
| nCoV-2019_14_RIGH T | nCoV-2019_2 | AGTTTCCACACAGAC AGGCATT | 22 | 45.45 | 60.42 |
| nCoV-2019_14_RIGH T_alt2 | nCoV-2019_2 | TGCGTGTCTTCTCTGC ATGTGC | 22 | 50 | 62.76 |
| nCoV-2019_15_LEFT | nCoV-2019_1 | ACAGTGCTTAAAAAG TGAAAAAGTGCC | 27 | 37.04 | 61.32 |
| nCoV-2019_15_LEFT _alt1 | nCoV-2019_1 | AGTGCTTAAAAAGTG TAAAAGTGCTT | 26 | 34.62 | 60.13 |
| nCoV-2019_15_RIGH T | nCoV-2019_1 | AACAGAAACTGTAGC TGGCACT | 22 | 45.45 | 60.16 |
| nCoV-2019_15_RIGH T_alt3 | nCoV-2019_1 | ACTGTAGCTGGCACT TTGAGAGA | 23 | 47.83 | 61.57 |
| nCoV-2019_16_LEFT | nCoV-2019_2 | AATTTGGAAGAAGCT GCTCGGT | 22 | 45.45 | 60.82 |
| nCoV-2019_16_RIGH T | nCoV-2019_2 | CACAACCTGCGTGTG GAGGTTA | 22 | 50 | 61.32 |
| nCoV-2019_17_LEFT | nCoV-2019_1 | CTTCTTTCTTTGAGAG AAGTGAGGACT | 27 | 40.74 | 60.69 |
| nCoV-2019_17_RIGH T | nCoV-2019_1 | TTTGTGGAGTGTTA ACAATGCAGT | 25 | 36 | 60.11 |
| nCoV-2019_18_LEFT | nCoV-2019_2 | TGGAAATACCCACAA GTTAATGGTTTAAC | 29 | 34.48 | 60.69 |
| nCoV-2019_18_LEFT _alt2 | nCoV-2019_2 | ACTTCTATTAATGGG CAGATAACAACCTGT | 30 | 33.33 | 61.38 |
| nCoV-2019_18_RIGH T | nCoV-2019_2 | AGCTTGTTTACCACA CGTACAAGG | 24 | 45.83 | 61.51 |
| nCoV-2019_18_RIGH T_alt1 | nCoV-2019_2 | GCTTGTTTACCACAC GTACAAGG | 23 | 47.83 | 60.3 |
| nCoV-2019_19_LEFT | nCoV-2019_1 | GCTGTTATGTACATGG GCACACT | 23 | 47.83 | 61.18 |
| nCoV-2019_19_RIGH T | nCoV-2019_1 | TGTCCAACCTAGGGT CAATTTCTGT | 25 | 40 | 60.4 |
| nCoV-2019_20_LEFT | nCoV-2019_2 | ACAAAGAAAAACAGTT ACACAACAACCA | 27 | 33.33 | 60.68 |
| nCoV-2019_20_RIGH T | nCoV-2019_2 | ACGTGGCTTTATTAGT TGCATTGTT | 25 | 36 | 60.28 |
| nCoV-2019_21_LEFT | nCoV-2019_1 | TGGCTATTGATTATAA ACACTACACACCC | 29 | 37.93 | 61.49 |
| nCoV-2019_21_LEFT _alt2 | nCoV-2019_1 | GGCTATTGATTATAAA CACTACACACCCCT | 29 | 37.93 | 61.29 |
| nCoV-2019_21_RIGH T | nCoV-2019_1 | TAGATCTGTGTGGCC AACCTCT | 22 | 50 | 60.83 |
| nCoV-2019_21_RIGH T_alt0 | nCoV-2019_1 | GATCTGTGTGGCCAA CCTCTTC | 22 | 54.55 | 61.2 |
| nCoV-2019_22_LEFT | nCoV-2019_2 | ACTACCGAAGTTGTA GGAGACATTATACT | 29 | 37.93 | 61.25 |

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|------------------------|-------------|-----------------------------------|----|-------|-------|
| nCoV-2019_22_RIGH T | nCoV-2019_2 | ACAGTATTCTTTGCTA TAGTAGTCGGC | 27 | 40.74 | 60.73 |
| nCoV-2019_23_LEFT | nCoV-2019_1 | ACAACACTAACATAG TTACACGGTGT | 27 | 37.04 | 60.26 |
| nCoV-2019_23_RIGH T | nCoV-2019_1 | ACCAGTACAGTAGGT TGCAATAGTG | 25 | 44 | 60.57 |
| nCoV-2019_24_LEFT | nCoV-2019_2 | AGGCATGCCTTCTTAC TGTA CTG | 23 | 47.83 | 60.37 |
| nCoV-2019_24_RIGH T | nCoV-2019_2 | ACATTCTAACCATAGC TGAAATCGGG | 26 | 42.31 | 61.19 |
| nCoV-2019_25_LEFT | nCoV-2019_1 | GCAATTGTTTTTCAG CTATTTTGCACT | 27 | 33.33 | 60.73 |
| nCoV-2019_25_RIGH T | nCoV-2019_1 | ACTGTAGTGACAAGT CTCTCGCA | 23 | 47.83 | 61.3 |
| nCoV-2019_26_LEFT | nCoV-2019_2 | TTGTGATACATTCTGT GCTGGTAGT | 25 | 40 | 60.28 |
| nCoV-2019_26_RIGH T | nCoV-2019_2 | TCCGCACTATCACCAA CATCAG | 22 | 50 | 60.42 |
| nCoV-2019_27_LEFT | nCoV-2019_1 | ACTACAGTCAGCTTAT GTGTCAACC | 25 | 44 | 60.8 |
| nCoV-2019_27_RIGH T | nCoV-2019_1 | AATACAAGCACCAAG GTCACGG | 22 | 50 | 61.13 |
| nCoV-2019_28_LEFT | nCoV-2019_2 | ACATAGAAGTTACTG GCGATAGTTGT | 26 | 38.46 | 60.13 |
| nCoV-2019_28_RIGH T | nCoV-2019_2 | TGTTTAGACATGACAT GAACAGGTGT | 26 | 38.46 | 60.91 |
| nCoV-2019_29_LEFT | nCoV-2019_1 | ACTGTGTTCCTTTTT GTTGCTGC | 24 | 41.67 | 61.39 |
| nCoV-2019_29_RIGH T | nCoV-2019_1 | AGTGTACTCTATAAGT TTTGATGGTGTGT | 29 | 34.48 | 60.69 |
| nCoV-2019_30_LEFT | nCoV-2019_2 | GCACAAC TAATGGTG ACTTTTTGCA | 25 | 40 | 61.19 |
| nCoV-2019_30_RIGH T | nCoV-2019_2 | ACCACTAGTAGATACA CAAACACCAG | 26 | 42.31 | 60.3 |
| nCoV-2019_31_LEFT | nCoV-2019_1 | TTCTGAGTACTGTAG GCACGGC | 22 | 54.55 | 62.03 |
| nCoV-2019_31_RIGH T | nCoV-2019_1 | ACAGAATAAACACCA GGTAAGAATGAGT | 28 | 35.71 | 60.69 |
| nCoV-2019_32_LEFT | nCoV-2019_2 | TGGTGAATACAGTCAT GTAGTTGCC | 25 | 44 | 61.09 |
| nCoV-2019_32_RIGH T | nCoV-2019_2 | AGCACATCACTACGC AACTTTAGA | 24 | 41.67 | 60.56 |
| nCoV-2019_33_LEFT | nCoV-2019_1 | ACTTTTGAAGAAGCT GCGCTGT | 22 | 45.45 | 61.58 |
| nCoV-2019_33_RIGH T | nCoV-2019_1 | TGGACAGTAAACTAC GTCATCAAGC | 25 | 44 | 61.08 |
| nCoV-2019_34_LEFT | nCoV-2019_2 | TCCCATCTGGTAAAGT TGAGGGT | 23 | 47.83 | 61.02 |
| nCoV-2019_34_RIGH T | nCoV-2019_2 | AGTGAAATTGGGCCT CATAGCA | 22 | 45.45 | 60.03 |
| nCoV-2019_35_LEFT | nCoV-2019_1 | TGTTTCGCATTCAACCA GGACAG | 22 | 50 | 61.39 |
| nCoV-2019_35_RIGH T | nCoV-2019_1 | ACTTCATAGCCACAA GGTTAAAGTCA | 26 | 38.46 | 60.69 |
| nCoV-2019_36_LEFT | nCoV-2019_2 | TTAGCTTGGTTGTAC GCTGCTG | 22 | 50 | 61.44 |

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|-------------------------|-------------|------------------------------------|----|-------|-------|
| nCoV-2019_36_RIGHT | nCoV-2019_2 | GAACAAAGACCATTG AGTACTCTGGA | 26 | 42.31 | 60.74 |
| nCoV-2019_37_LEFT | nCoV-2019_1 | ACACACCACTGGTTG TTACTCAC | 23 | 47.83 | 60.93 |
| nCoV-2019_37_RIGHT | nCoV-2019_1 | GTCCACACTCTCCTAG CACCAT | 22 | 54.55 | 61.48 |
| nCoV-2019_38_LEFT | nCoV-2019_2 | ACTGTGTTATGTATGC ATCAGCTGT | 25 | 40 | 60.86 |
| nCoV-2019_38_RIGHT | nCoV-2019_2 | CACCAAGAGTCAGTC TAAAGTAGCG | 25 | 48 | 61.13 |
| nCoV-2019_39_LEFT | nCoV-2019_1 | AGTATTGCCCTATTTT CTTCATAACTGGT | 29 | 34.48 | 61 |
| nCoV-2019_39_RIGHT | nCoV-2019_1 | TGTAAGTGGACACAT TGAGCCC | 22 | 50 | 60.55 |
| nCoV-2019_40_LEFT | nCoV-2019_2 | TGCACATCAGTAGTCT TACTCTCAGT | 26 | 42.31 | 61.25 |
| nCoV-2019_40_RIGHT | nCoV-2019_2 | CATGGCTGCATCACG GTCAAAT | 22 | 50 | 62.09 |
| nCoV-2019_41_LEFT | nCoV-2019_1 | GTTCCCTTCCATCATA TGCAGCT | 23 | 47.83 | 60.75 |
| nCoV-2019_41_RIGHT | nCoV-2019_1 | TGGTATGACAACCATT AGTTTGCT | 25 | 40 | 60.75 |
| nCoV-2019_42_LEFT | nCoV-2019_2 | TGCAAGAGATGGTTG TGTCCC | 22 | 50 | 61.08 |
| nCoV-2019_42_RIGHT | nCoV-2019_2 | CCTACCTCCCTTTGTT GTGTTGT | 23 | 47.83 | 60.69 |
| nCoV-2019_43_LEFT | nCoV-2019_1 | TACGACAGATGTCTT GTGCTGC | 22 | 50 | 60.93 |
| nCoV-2019_43_RIGHT | nCoV-2019_1 | AGCAGCATCTACAGC AAAAGCA | 22 | 45.45 | 61.14 |
| nCoV-2019_44_LEFT | nCoV-2019_2 | TGCCACAGTACGTCT ACAAGCT | 22 | 50 | 61.66 |
| nCoV-2019_44_LEFT_alt3 | nCoV-2019_2 | CCACAGTACGTCTAC AAGCTGG | 22 | 54.55 | 60.67 |
| nCoV-2019_44_RIGHT | nCoV-2019_2 | AACCTTTCCACATACC GCAGAC | 22 | 50 | 60.87 |
| nCoV-2019_44_RIGHT_alt0 | nCoV-2019_2 | CGCAGACGGTACAGA CTGTGTT | 22 | 54.55 | 62.77 |
| nCoV-2019_45_LEFT | nCoV-2019_1 | TACCTACAACCTGTGC TAATGACCC | 25 | 44 | 60.57 |
| nCoV-2019_45_LEFT_alt2 | nCoV-2019_1 | AGTATGTACAAATACC TACAACCTTGCT | 29 | 34.48 | 60.94 |
| nCoV-2019_45_RIGHT | nCoV-2019_1 | AAATTGTTTCTTCATG TTGGTAGTTAGAGA | 30 | 30 | 60.01 |
| nCoV-2019_45_RIGHT_alt7 | nCoV-2019_1 | TTCATGTTGGTAGTTA GAGAAAGTGTGTC | 29 | 37.93 | 61.53 |
| nCoV-2019_46_LEFT | nCoV-2019_2 | TGTCGCTTCCAAGAA AAGGACG | 22 | 50 | 61.38 |
| nCoV-2019_46_LEFT_alt1 | nCoV-2019_2 | CGCTTCCAAGAAAAG GACGAAGA | 23 | 47.83 | 61.35 |
| nCoV-2019_46_RIGHT | nCoV-2019_2 | CACGTTACCTAAGTT GGCGTA | 22 | 50 | 60.86 |
| nCoV-2019_46_RIGHT_alt2 | nCoV-2019_2 | CACGTTACCTAAGTT GGCGTAT | 23 | 47.83 | 61.17 |
| nCoV-2019_47_LEFT | nCoV-2019_1 | AGGACTGGTATGATT TTGTAGAAAACCC | 28 | 39.29 | 61.42 |

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|------------------------|-------------|------------------------------------|----|-------|-------|
| nCoV-2019_47_RIGH T | nCoV-2019_1 | AATAACGGTCAAAGA GTTTTAACCTCTC | 28 | 35.71 | 60.06 |
| nCoV-2019_48_LEFT | nCoV-2019_2 | TGTTGACACTGACTT AACAAAGCCT | 25 | 40 | 61.09 |
| nCoV-2019_48_RIGH T | nCoV-2019_2 | TAGATTACCAGAAGC AGCGTGC | 22 | 50 | 60.74 |
| nCoV-2019_49_LEFT | nCoV-2019_1 | AGGAATTACTTGTGTA TGCTGCTGA | 25 | 40 | 60.57 |
| nCoV-2019_49_RIGH T | nCoV-2019_1 | TGACGATGACTTGGT TAGCATTAAATACA | 28 | 35.71 | 61.05 |
| nCoV-2019_50_LEFT | nCoV-2019_2 | GTTGATAAGTACTTTG ATTGTTACGATGGT | 30 | 33.33 | 60.59 |
| nCoV-2019_50_RIGH T | nCoV-2019_2 | TAACATGTTGTGCCA ACCACCA | 22 | 45.45 | 60.95 |
| nCoV-2019_51_LEFT | nCoV-2019_1 | TCAATAGCCGCCACTA GAGGAG | 22 | 54.55 | 61.34 |
| nCoV-2019_51_RIGH T | nCoV-2019_1 | AGTGCATTAACATTG GCCGTGA | 22 | 45.45 | 61.14 |
| nCoV-2019_52_LEFT | nCoV-2019_2 | CATCAGGAGATGCCA CAACTGC | 22 | 54.55 | 61.83 |
| nCoV-2019_52_RIGH T | nCoV-2019_2 | GTTGAGAGCAAAATT CATGAGGTCC | 25 | 44 | 60.62 |
| nCoV-2019_53_LEFT | nCoV-2019_1 | AGCAAAATGTTGGAC TGAGACTGA | 24 | 41.67 | 60.69 |
| nCoV-2019_53_RIGH T | nCoV-2019_1 | AGCCTCATAAACTC AGGTTCCC | 23 | 47.83 | 60.31 |
| nCoV-2019_54_LEFT | nCoV-2019_2 | TGAGTTAACAGGACA CATGTTAGACA | 26 | 38.46 | 60.18 |
| nCoV-2019_54_RIGH T | nCoV-2019_2 | AACCAAAAATTGTC CATTAGCACA | 25 | 36 | 60.11 |
| nCoV-2019_55_LEFT | nCoV-2019_1 | ACTCAACTTTACTTAG GAGGTATGAGCT | 28 | 39.29 | 61.43 |
| nCoV-2019_55_RIGH T | nCoV-2019_1 | GGTGTACTCTCCTATT TGTACTTTACTGT | 29 | 37.93 | 60.54 |
| nCoV-2019_56_LEFT | nCoV-2019_2 | ACCTAGACCACCACTT AACCGA | 22 | 50 | 60.49 |
| nCoV-2019_56_RIGH T | nCoV-2019_2 | ACACTATGCGAGCAG AAGGGTA | 22 | 50 | 61.21 |
| nCoV-2019_57_LEFT | nCoV-2019_1 | ATTCTACACTCCAGG GACCACC | 22 | 54.55 | 61.16 |
| nCoV-2019_57_RIGH T | nCoV-2019_1 | GTAATTGAGCAGGGT CGCCAAT | 22 | 50 | 61.26 |
| nCoV-2019_58_LEFT | nCoV-2019_2 | TGATTTGAGTGTTGTC AATGCCAGA | 25 | 40 | 61.44 |
| nCoV-2019_58_RIGH T | nCoV-2019_2 | CTTTTCTCCAAGCAG GGTTACGT | 23 | 47.83 | 61.06 |
| nCoV-2019_59_LEFT | nCoV-2019_1 | TCACGCATGATGTTTC ATCTGCA | 23 | 43.48 | 61.42 |
| nCoV-2019_59_RIGH T | nCoV-2019_1 | AAGAGTCCTGTTACA TTTTCAGCTTG | 26 | 38.46 | 60.02 |
| nCoV-2019_60_LEFT | nCoV-2019_2 | TGATAGAGACCTTTAT GACAAGTTGCA | 27 | 37.04 | 60.53 |
| nCoV-2019_60_RIGH T | nCoV-2019_2 | GGTACCAACAGCTTC TCTAGTAGC | 24 | 50 | 60.44 |
| nCoV-2019_61_LEFT | nCoV-2019_1 | TGTTTATCACCCGCGA AGAAGC | 22 | 50 | 61.5 |

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|------------------------|-------------|------------------------------------|----|-------|-------|
| nCoV-2019_61_RIGH T | nCoV-2019_1 | ATCACATAGACAACA GGTGC GC | 22 | 50 | 61.25 |
| nCoV-2019_62_LEFT | nCoV-2019_2 | GGCACATGGCTTTGA GTTGACA | 22 | 50 | 61.91 |
| nCoV-2019_62_RIGH T | nCoV-2019_2 | GTTGAACCTTTCTACA AGCCGC | 22 | 50 | 60.35 |
| nCoV-2019_63_LEFT | nCoV-2019_1 | TGTTAAGCGTGTGGA CTGGACT | 22 | 45.45 | 60.16 |
| nCoV-2019_63_RIGH T | nCoV-2019_1 | ACAAACTGCCACCAT CACAACC | 22 | 50 | 61.85 |
| nCoV-2019_64_LEFT | nCoV-2019_2 | TCGATAGATATCCTGC TAATTCCATTGT | 28 | 35.71 | 60.11 |
| nCoV-2019_64_RIGH T | nCoV-2019_2 | AGTCTGTAAAAGTG TTCCAGAGGT | 25 | 40 | 60.1 |
| nCoV-2019_65_LEFT | nCoV-2019_1 | GCTGGCTTTAGCTTG TGGGTTT | 22 | 50 | 61.92 |
| nCoV-2019_65_RIGH T | nCoV-2019_1 | TGTCAGTCATAGAAC AAACACCAATAGT | 28 | 35.71 | 60.9 |
| nCoV-2019_66_LEFT | nCoV-2019_2 | GGGTGTGGACATTGC TGCTAAT | 22 | 50 | 61.21 |
| nCoV-2019_66_RIGH T | nCoV-2019_2 | TCAATTTCCATTGAC TCCTGGGT | 24 | 41.67 | 60.45 |
| nCoV-2019_67_LEFT | nCoV-2019_1 | GTTGTCCAACAATTAC CTGAACTTACT | 28 | 35.71 | 60.43 |
| nCoV-2019_67_RIGH T | nCoV-2019_1 | CAACCTTAGAACTA CAGATAAATCTTGGG | 30 | 36.67 | 60.4 |
| nCoV-2019_68_LEFT | nCoV-2019_2 | ACAGGTTTCATCTAAG TGTGTGTGT | 24 | 41.67 | 60.14 |
| nCoV-2019_68_RIGH T | nCoV-2019_2 | CTCCTTTATCAGAACC AGCACCA | 23 | 47.83 | 60.31 |
| nCoV-2019_69_LEFT | nCoV-2019_1 | TGTCGCAAAATATACT CAACTGTGTCA | 27 | 37.04 | 61.43 |
| nCoV-2019_69_RIGH T | nCoV-2019_1 | TCTTTATAGCCACGGA ACCTCCA | 23 | 47.83 | 61.14 |
| nCoV-2019_70_LEFT | nCoV-2019_2 | ACAAAAGAAAATGAC TCTAAAGAGGGTTT | 29 | 31.03 | 60.13 |
| nCoV-2019_70_RIGH T | nCoV-2019_2 | TGACCTTCTTTTAAAG ACATAACAGCAG | 28 | 35.71 | 60.27 |
| nCoV-2019_71_LEFT | nCoV-2019_1 | ACAAATCCAATTCAG TTGTCTTCCTATTC | 29 | 34.48 | 60.54 |
| nCoV-2019_71_RIGH T | nCoV-2019_1 | TGGAAAAGAAAAGGT AAGAACAAGTCCT | 27 | 37.04 | 60.8 |
| nCoV-2019_72_LEFT | nCoV-2019_2 | ACACGTGGTGTTTATT ACCCTGAC | 24 | 45.83 | 61.04 |
| nCoV-2019_72_RIGH T | nCoV-2019_2 | ACTCTGAACTCACTTT CCATCCAAC | 25 | 44 | 60.97 |
| nCoV-2019_73_LEFT | nCoV-2019_1 | CAATTTTGTAAATGATC CATTTTTGGGTGT | 29 | 31.03 | 60.29 |
| nCoV-2019_73_RIGH T | nCoV-2019_1 | CACCAGCTGTCCAAC CTGAAGA | 22 | 54.55 | 62.45 |
| nCoV-2019_74_LEFT | nCoV-2019_2 | ACATCACTAGGTTTCA AACTTTACTTGC | 28 | 35.71 | 60.68 |
| nCoV-2019_74_RIGH T | nCoV-2019_2 | GCAACACAGTTGCTG ATTCTCTTC | 24 | 45.83 | 60.85 |
| nCoV-2019_75_LEFT | nCoV-2019_1 | AGAGTCCAACCAACA GAATCTATTGT | 26 | 38.46 | 60.24 |

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|-----------------------------|-------------|---------------------------------|----|-------|-------|
| nCoV-2019_75_RIGHT | nCoV-2019_1 | ACCACCAACCTTAGA ATCAAGATTGT | 26 | 38.46 | 60.69 |
| nCoV-2019_76_LEFT | nCoV-2019_2 | AGGGCAAACCTGGAA AGATTGCT | 22 | 45.45 | 60.76 |
| nCoV-2019_76_LEFT _alt3 | nCoV-2019_2 | GGGCAAACCTGGAAA GATTGCTGA | 23 | 47.83 | 61.87 |
| nCoV-2019_76_RIGHT | nCoV-2019_2 | ACACCTGTGCCTGTT AAACCAT | 22 | 45.45 | 60.42 |
| nCoV-2019_76_RIGHT _alt0 | nCoV-2019_2 | ACCTGTGCCTGTTAA ACCATTGA | 23 | 43.48 | 60.69 |
| nCoV-2019_77_LEFT | nCoV-2019_1 | CCAGCAAACCTGTTTGT GGACCTA | 22 | 50 | 60.75 |
| nCoV-2019_77_RIGHT | nCoV-2019_1 | CAGCCCTATTAACA GCCTGC | 22 | 54.55 | 61.59 |
| nCoV-2019_78_LEFT | nCoV-2019_2 | CAACTTACTCCTACTT GGCGTGT | 23 | 47.83 | 60.55 |
| nCoV-2019_78_RIGHT | nCoV-2019_2 | TGTGTACAAAACCTG CCATATTGCA | 25 | 36 | 60.22 |
| nCoV-2019_79_LEFT | nCoV-2019_1 | GTGGTGATTCAACTG AATGCAGC | 23 | 47.83 | 60.92 |
| nCoV-2019_79_RIGHT | nCoV-2019_1 | CATTTTCATCTGTGAGC AAAGGTGG | 24 | 45.83 | 60.62 |
| nCoV-2019_80_LEFT | nCoV-2019_2 | TTGCCTTGGTGATATT GCTGCT | 22 | 45.45 | 60.89 |
| nCoV-2019_80_RIGHT | nCoV-2019_2 | TGGAGCTAAGTTGTT TAACAAGCG | 24 | 41.67 | 60.02 |
| nCoV-2019_81_LEFT | nCoV-2019_1 | GCACTTGGAACCTT CAAGATGTGG | 25 | 44 | 61.24 |
| nCoV-2019_81_RIGHT | nCoV-2019_1 | GTGAAGTTCTTTTCTT GTGCAGGG | 24 | 45.83 | 60.73 |
| nCoV-2019_82_LEFT | nCoV-2019_2 | GGGCTATCATCTTATG TCCTTCCCT | 25 | 48 | 61.52 |
| nCoV-2019_82_RIGHT | nCoV-2019_2 | TGCCAGAGATGTCAC CTAAATCAA | 24 | 41.67 | 60.02 |
| nCoV-2019_83_LEFT | nCoV-2019_1 | TCCTTTGCAACCTGAA TTAGACTCA | 25 | 40 | 60.46 |
| nCoV-2019_83_RIGHT | nCoV-2019_1 | TTTGACTCCTTTGAG CACTGGC | 22 | 50 | 61.33 |
| nCoV-2019_84_LEFT | nCoV-2019_2 | TGCTGTAGTTGTCTCA AGGGCT | 22 | 50 | 61.61 |
| nCoV-2019_84_RIGHT | nCoV-2019_2 | AGGTGTGAGTAAACT GTTACAAACAAC | 27 | 37.04 | 60.36 |
| nCoV-2019_85_LEFT | nCoV-2019_1 | ACTAGCACTCTCCAA GGGTGTT | 22 | 50 | 61.03 |
| nCoV-2019_85_RIGHT | nCoV-2019_1 | ACACAGTCTTTTACTC CAGATTCCC | 25 | 44 | 60.51 |
| nCoV-2019_86_LEFT | nCoV-2019_2 | TCAGGTGATGGCACA ACAAGTC | 22 | 50 | 61.07 |
| nCoV-2019_86_RIGHT | nCoV-2019_2 | ACGAAAGCAAGAAA AAGAAGTACGC | 25 | 40 | 61.01 |
| nCoV-2019_87_LEFT | nCoV-2019_1 | CGACTACTAGCGTGC CTTTGTA | 22 | 50 | 60.16 |
| nCoV-2019_87_RIGHT | nCoV-2019_1 | ACTAGTTCCATTGTT CAAGGAGC | 24 | 45.83 | 60.81 |
| nCoV-2019_88_LEFT | nCoV-2019_2 | CCATGGCAGATTCCA ACGGTAC | 22 | 54.55 | 61.58 |

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|-----------------------------|-------------|------------------------------------|----|-------|-------|
| nCoV-2019_88_RIGHT | nCoV-2019_2 | TGGTCAGAATAGTGC CATGGAGT | 23 | 47.83 | 61.4 |
| nCoV-2019_89_LEFT | nCoV-2019_1 | GTACGCGTTCCATGT GGTCATT | 22 | 50 | 61.5 |
| nCoV-2019_89_LEFT _alt2 | nCoV-2019_1 | CGCGTTCCATGTGGT CATTCAA | 22 | 50 | 62.01 |
| nCoV-2019_89_RIGHT | nCoV-2019_1 | ACCTGAAAGTCAACG AGATGAAACA | 25 | 40 | 60.91 |
| nCoV-2019_89_RIGHT _alt4 | nCoV-2019_1 | ACGAGATGAAACATC TGTTGTCACT | 25 | 40 | 60.74 |
| nCoV-2019_90_LEFT | nCoV-2019_2 | ACACAGACCATTCCA GTAGCAGT | 23 | 47.83 | 61.58 |
| nCoV-2019_90_RIGHT | nCoV-2019_2 | TGAAATGGTGAATTG CCCTCGT | 22 | 45.45 | 60.82 |
| nCoV-2019_91_LEFT | nCoV-2019_1 | TCACTACCAAGAGTG TGTTAGAGGT | 25 | 44 | 60.93 |
| nCoV-2019_91_RIGHT | nCoV-2019_1 | TTCAAGTGAGAACCA AAAGATAATAAGCA | 29 | 31.03 | 60.03 |
| nCoV-2019_92_LEFT | nCoV-2019_2 | TTTGTGCTTTTAGCC TTTCTGCT | 24 | 37.5 | 60.14 |
| nCoV-2019_92_RIGHT | nCoV-2019_2 | AGGTTCTGGCAATT AATTGTAAAAGG | 27 | 37.04 | 60.53 |
| nCoV-2019_93_LEFT | nCoV-2019_1 | TGAGGCTGGTTCTAA ATCACCCA | 23 | 47.83 | 61.59 |
| nCoV-2019_93_RIGHT | nCoV-2019_1 | AGGTCTTCTTGCCAT GTTGAG | 22 | 50 | 60.55 |
| nCoV-2019_94_LEFT | nCoV-2019_2 | GGCCCCAAGGTTTAC CCAATAA | 22 | 50 | 60.56 |
| nCoV-2019_94_RIGHT | nCoV-2019_2 | TTTGGCAATGTTGTTC CTTGAGG | 23 | 43.48 | 60.18 |
| nCoV-2019_95_LEFT | nCoV-2019_1 | TGAGGGAGCCTTGAA TACACCA | 22 | 50 | 61.1 |
| nCoV-2019_95_RIGHT | nCoV-2019_1 | CAGTACGTTTTTGCC GAGGCTT | 22 | 50 | 61.95 |
| nCoV-2019_96_LEFT | nCoV-2019_2 | GCCAACAACAACAAG GCCAAAC | 22 | 50 | 61.82 |
| nCoV-2019_96_RIGHT | nCoV-2019_2 | TAGGCTCTGTTGGTG GGAATGT | 22 | 50 | 61.36 |
| nCoV-2019_97_LEFT | nCoV-2019_1 | TGGATGACAAAGATC CAAATTTCAAAGA | 28 | 32.14 | 60.22 |
| nCoV-2019_97_RIGHT | nCoV-2019_1 | ACACACTGATTAAG ATTGCTATGTGAG | 28 | 35.71 | 60.17 |
| nCoV-2019_98_LEFT | nCoV-2019_2 | AACAATTGCAACAAT CCATGAGCA | 24 | 37.5 | 60.5 |
| nCoV-2019_98_RIGHT | nCoV-2019_2 | TTCTCCTAAGAAGCTA TAAAAATCACATGG | 30 | 33.33 | 60.01 |

Supplementary Table 4. We used the ARTIC Network v3 primers to amplify cDNA. The primer names, primer pools, sequences, % GC content, and ideal primer melting temp are included. These primers can also be found on the 'artic-network' GitHub page – <https://github.com/artic-network/primer-schemes/tree/master/nCoV-2019/V3>.